



THOMSON REUTERS™

**ONESOURCE INDIRECT TAX PRODUCT TAXABILITY USER GUIDE**

## The ONESOURCE Indirect Tax Product Taxability User Guide

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### A Note on Navigating This Document

- **Table of Contents:** To jump to a specific location within the guide, click on the desired TOC entry.
- **Bookmarks:** In the PDF version of this document, a “clickable” TOC is available by clicking on the “Bookmarks” icon to the left of the guide.

# ONESOURCE PRODUCT DEFINITIONS GUIDE

## Introduction

This guide is intended to assist you in selecting the products in the ONESOURCE Indirect Tax Product Tree that will provide the most accurate tax determination for your products and services. The ONESOURCE Indirect Tax Product Tree provides an extensive product taxability matrix, containing rules for hundreds of products and services. Since no one understands your business better than you do we are providing this guide to assist you in making the most informed tax mapping decisions based on your business' needs. Please be aware that ONESOURCE Indirect Tax does not provide accounting or legal advice and recommends that our clients seek the advice of a legal or tax professional for issues of an individualized nature.

## How to Use This Guide

The ONESOURCE Indirect Tax Product Tree is an extensive product taxability matrix containing rules for hundreds of products and services organized hierarchically based on parent product category (product type). It is recommended that you select the products that fit your company's goods or services as precisely as possible to help ensure accurate taxability. Our staff of tax experts is available to answer any questions you have regarding any of our products.

If the product categories that your company requires are not currently maintained in the ONESOURCE Indirect Tax Product Tree they may be requested for an additional fee. Based on the product taxability needs and objectives of your company we will jointly develop a research plan for additional product categories. The customized ONESOURCE Indirect Tax Tax Research offering gives you control in selecting categories and granularity of your goods or services, maintenance of the tax matrix ensuring law changes are captured, and access to tax research personnel to discuss interpretation of law.

The information in this guide was last updated on Thursday, November 16, 2023

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## 11 Mineral, Textile, Inedible Plant, Animal Material

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Minerals and ores and metals	1110	GFT1	Good	Minerals and ores and metals
Excluded Liquid (Mineral Oil) [FTA 077]	11101500.077000	G279	Good	Excluded Liquid (Mineral Oil) [FTA 077]
Mineral Oils [FTA 281]	11101500.281000	GR51	Good	Mineral Oils [FTA 281]

## 12 Chemicals, Bio Chemicals, and Gas Material

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Superfund Listed Chemicals	12.120	GI47	Good	Chemicals listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Acetylene (Superfund)	12101	G2DT	Good	Chemicals listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Ammonia (Superfund)	12102	G344	Good	Ammonia is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Antimony (Superfund)	12103	G8UC	Good	Antimony is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Antimony trioxide	12104	G389	Good	Antimony trioxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Arsenic (Superfund)	12105	G434	Good	Arsenic is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Arsenic trioxide	12106	G5XB	Good	Arsenic trioxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Barium sulfide	12107	GWEY	Good	Barium sulfide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Benzene (Superfund)	12108	GSI8	Good	Benzene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.

Bromine	12109	GGF7	Good	Bromine is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Butadiene	12110	G0VI	Good	Butadiene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Butane (Superfund)	12111	G28C	Good	Butane is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Butylene	12112	GFMZ	Good	Butylene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Cadmium (Superfund)	12113	G3YL	Good	Cadmium is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Chlorine (Superfund)	12114	GFQ3	Good	Chlorine is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Chromite	12115	G8KY	Good	Chromite is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Chromium	12116	G4BZ	Good	Chromium is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Cobalt	12117	G0NM	Good	Cobalt is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Cupric oxide	12118	GL5E	Good	Cupric oxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Cupric sulfate	12119	GWP0	Good	Cupric sulfate is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Cuprous oxide	12120	GVFL	Good	Cuprous oxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Ethylene (Superfund)	12121	GR3X	Good	Ethylene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.

Hydrochloric acid	12122	GP88	Good	Hydrochloric acid is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Hydrogen fluoride	12123	GSY2	Good	Hydrogen fluoride is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Lead oxide	12124	GBCU	Good	Lead oxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Mercury (Superfund)	12125	GQ8D	Good	Mercury is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Methane (Superfund)	12126	GXAC	Good	Methane is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Naphthalene	12127	GL8D	Good	Naphthalene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Nickel (Superfund)	12128	GW0J	Good	Nickel is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Nitric acid	12129	GL85	Good	Nitric acid is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Phosphorus (Superfund)	12130	GAMA	Good	Phosphorus is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Potassium dichromate	12131	G25I	Good	Potassium dichromate is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Potassium hydroxide	12132	G1A0	Good	Potassium hydroxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Propylene (Superfund)	12133	GVNP	Good	Propylene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Sodium dichromate (Superfund)	12134	GS02	Good	Sodium dichromate is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.

Sodium hydroxide	12135	GE4W	Good	Sodium hydroxide is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Stannic chloride	12136	GI7N	Good	Stannic chloride is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Stannous chloride	12137	G44S	Good	Stannous chloride is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Sulfuric acid	12138	G9OX	Good	Sulfuric acid is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Toluene (Superfund)	12139	G34A	Good	Toluene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Xylene	12140	GA0S	Good	Xylene is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Zinc chloride	12141	GG14	Good	Zinc chloride is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Zinc sulfate	12142	GFSQ	Good	Zinc sulfate is listed as a taxable chemical subject to the Superfund Chemical Excise Tax by the Internal Revenue Service.
Superfund Listed Substances	12.130	G698	Good	Substances listed as a taxable substance by the Internal Revenue Service because taxable chemicals subject to the Federal Superfund Excise Tax constitute more than 20 percent of the weight or value of the materials used to produce it.
1,3-butylene glycol	1213101	G861	Good	1,3-butylene glycol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
1,4 butanediol	1213102	G1P1	Good	1,4 butanediol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

1,5,9-cyclododecatriene	1213103	GI9U	Good	1,5,9-cyclododecatriene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
2,2,4-trimethyl-1,3-pantanediol diisobutyrate	1213104	GT3N	Good	2,2,4-trimethyl-1,3-pantanediol diisobutyrate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
2,2,4-trimethyl-1,3-pantanediol monoisobutyrate	1213105	GB61	Good	2,2,4-trimethyl-1,3-pantanediol monoisobutyrate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
2-ethyl hexanol	1213106	G25J	Good	2-ethyl hexanol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
2-ethylhexyl acrylate	1213107	GU25	Good	2-ethylhexyl acrylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Acetic acid (Superfund)	1213108	G69I	Good	Acetic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Acetone (Superfund)	1213109	GQW0	Good	Acetone is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Acetylene black	1213110	GIEM	Good	Acetylene black is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Acrylic and methacrylic acid resins	1213111	G1UW	Good	Acrylic and methacrylic acid resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Acrylonitrile (Superfund)	1213112	GKW5	Good	Acrylonitrile is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Adipic acid	1213113	GX9N	Good	Adipic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Adiponitrile	1213114	GZ61	Good	Adiponitrile is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Allyl chloride	1213115	GYCH	Good	Allyl chloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Alpha-methylstyrene	1213116	GDLE	Good	Alpha-methylstyrene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ammonium nitrate	1213117	G9SB	Good	Ammonium nitrate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Aniline	1213118	G97S	Good	Aniline is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Benzaldehyde (Superfund)	1213119	GS88	Good	Benzaldehyde is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Benzoic acid	1213120	G6WP	Good	Benzoic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Bisphenol-A	1213121	G5GI	Good	Bisphenol-A is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Butanol	1213122	G5DZ	Good	Butanol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Butyl acrylate	1213123	G19L	Good	Butyl acrylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Butyl benzyl phthalate	1213124	GTJ7	Good	Butyl benzyl phthalate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Carbon tetrachloride (Superfund)	1213125	GD2O	Good	Carbon tetrachloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Chlorinated polyethylene	1213126	G95U	Good	Chlorinated polyethylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Chloroform (Superfund)	1213127	GGX4	Good	Chloroform is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Chromic acid	1213128	G8RC	Good	Chromic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Cumene (Superfund)	1213129	GY6E	Good	Cumene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Cyclododecanol	1213130	GP5D	Good	Cyclododecanol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Cyclohexane	1213131	GHZ1	Good	Cyclohexane is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Decabromodiphenyl oxide	1213132	GAO5	Good	Decabromodiphenyl oxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Di-2 ethyl hexyl phthalate	1213133	GV05	Good	Di-2 ethyl hexyl phthalate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Diethanolamine	1213134	GGW2	Good	Diethanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Diglycidyl ether of bisphenol-A	1213135	G8HJ	Good	Diglycidyl ether of bisphenol-A is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Diisopropanolamine	1213136	GW3Z	Good	Diisopropanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Dimethyl terephthalate (Superfund)	1213137	GS86	Good	Dimethyl terephthalate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Dimethyl-2, 6-naphthalene dicarboxylate	1213138	G8AX	Good	Dimethyl-2, 6-naphthalene dicarboxylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Di-n-hexyl adipate	1213139	GMDW	Good	Di-n-hexyl adipate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Diphenyl oxide	1213140	GUHY	Good	Diphenyl oxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Diphenylamine	1213141	G0TG	Good	Diphenylamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Epichlorohydrin	1213142	G617	Good	Epichlorohydrin is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethyl acetate (Superfund)	1213143	GQ5E	Good	Ethyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethyl acrylate	1213144	G748	Good	Ethyl acrylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethyl alcohol for nonbeverage use	1213145	GSDT	Good	Ethyl alcohol for nonbeverage use is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethyl chloride (Superfund)	1213146	GLHG	Good	Ethyl chloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethyl methyl ketone	1213147	GP5X	Good	Ethyl methyl ketone is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethylbenzene (Superfund)	1213148	G1Y5	Good	Ethylbenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Ethylene dibromide	1213149	G7VQ	Good	Ethylene dibromide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethylene dichloride	1213150	G4TT	Good	Ethylene dichloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethylene glycol	1213151	GGR4	Good	Ethylene glycol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethylene oxide	1213152	GNH9	Good	Ethylene oxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ethylenebistetrabromophthalamide	1213153	G9SI	Good	Ethylenebistetrabromophthalamide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ferrochrome ov 3 pct. carbon	1213154	GX06	Good	Ferrochrome ov 3 pct. carbon is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ferrochromium nov 3 pct	1213155	GHMX	Good	Ferrochromium nov 3 pct is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ferronickel	1213156	GW7D	Good	Ferronickel is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Formaldehyde	1213157	GZ75	Good	Formaldehyde is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Formic acid (Superfund)	1213158	GLPB	Good	Formic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Glycerine (Superfund)	1213159	G0ZQ	Good	Glycerine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Hexabromocyclododecane	1213160	GICH	Good	Hexabromocyclododecane is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Hexamethylenediamine	1213161	G1C4	Good	Hexamethylenediamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Hydrogen peroxide	1213162	GH0E	Good	Hydrogen peroxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Isobutyl acetate	1213163	G9D0	Good	Isobutyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Isophthalic acid	1213164	GJ04	Good	Isophthalic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Isopropyl acetate	1213165	G047	Good	Isopropyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Isopropyl alcohol	1213166	GXT2	Good	Isopropyl alcohol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Linear alpha olefins	1213167	G5GP	Good	Linear alpha olefins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Maleic anhydride (Superfund)	1213168	GEP5	Good	Maleic anhydride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Melamine	1213169	GOC3	Good	Melamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methanol	1213170	GQ01	Good	Methanol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methyl acrylate	1213171	GLBA	Good	Methyl acrylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methyl chloroform	1213172	G6R3	Good	Methyl chloroform is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methyl isobutyl ketone	1213173	G7KP	Good	Methyl isobutyl ketone is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methyl methacrylate	1213174	G17U	Good	Methyl methacrylate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Methylene chloride	1213175	GWFO	Good	Methylene chloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Monochlorobenzene	1213176	GNRR	Good	Monochlorobenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Monoethanolamine	1213177	G0M1	Good	Monoethanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Monoisopropanolamine	1213178	G5BP	Good	Monoisopropanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Nickel oxide	1213179	G0KG	Good	Nickel oxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Nickel powders	1213180	GZOS	Good	Nickel powders is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Nickel waste and scrap	1213181	GER8	Good	Nickel waste and scrap is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Normal butyl acetate	1213182	GM7Z	Good	Normal butyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Normal propyl acetate	1213183	G2HW	Good	Normal propyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Nylon 6/6	1213184	G36A	Good	Nylon 6/6 is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Ortho-dichlorobenzene	1213185	G5Q0	Good	Ortho-dichlorobenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Ortho-nitrochlorobenzene	1213186	GL62	Good	Ortho-nitrochlorobenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Para-dichlorobenzene	1213187	GQ9W	Good	Para-dichlorobenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Paraformaldehyde (Superfund)	1213188	G6LD	Good	Paraformaldehyde is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Para-nitrochlorobenzene	1213189	GKV8	Good	Para-nitrochlorobenzene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Para-nitrophenol	1213190	GJT9	Good	Para-nitrophenol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Pentaerythritol (Superfund)	1213191	GY5M	Good	Pentaerythritol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Perchloroethylene	1213192	GNJO	Good	Perchloroethylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Phenol	1213193	G46H	Good	Phenol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Phenolic resins (Superfund)	1213194	GHL5	Good	Phenolic resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Phosphorous pentasulfide	1213195	G318	Good	Phosphorous pentasulfide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Phosphorous trichloride	1213196	G39S	Good	Phosphorous trichloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Phthalic anhydride (Superfund)	1213197	GW9Q	Good	Phthalic anhydride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly (69/31 ethylene/cyclohexylenedim ethylene terephthalate)	1213198	G889	Good	Poly (69/31 ethylene/cyclohexylenedimethylen e terephthalate) is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly (96.5/3.5 ethylene/cyclohexylenedim ethylene terephthalate)	1213199	GV7D	Good	Poly (96.5/3.5 ethylene/cyclohexylenedimethylen e terephthalate) is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly (98.5/1.5 ethylene/cyclohexylenedim ethylene terephthalate)	1213200	G6SC	Good	Poly (98.5/1.5 ethylene/cyclohexylenedimethylen e terephthalate) is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly 1,4 butyleneterephthalate	1213201	G339	Good	Poly 1,4 butyleneterephthalate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Poly(ethyleneoxy)glycerol	1213202	G437	Good	Poly(ethyleneoxy)glycerol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propylene)glycol	1213203	G608	Good	Poly(propylene)glycol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propylene/ethylene)glycol	1213204	GHOV	Good	Poly(propylene/ethylene)glycol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy)glycerol	1213205	GUK8	Good	Poly(propyleneoxy)glycerol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy)sucrose	1213206	G1MZ	Good	Poly(propyleneoxy)sucrose is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy/ethylenoxy)benzenediamine	1213207	G4YN	Good	Poly(propyleneoxy/ethylenoxy)benzenediamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy/ethylenoxy)diamine	1213208	GZFN	Good	Poly(propyleneoxy/ethylenoxy)diamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy/ethylenoxy)glycerol	1213209	GXL9	Good	Poly(propyleneoxy/ethylenoxy)glycerol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Poly(propyleneoxy/ethylenoxy)sucrose	1213210	G41R	Good	Poly(propyleneoxy/ethylenoxy)sucrose is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Polyalphaolefins	1213211	GI4F	Good	Polyalphaolefins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polybutadiene	1213212	GD67	Good	Polybutadiene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polybutene	1213213	G479	Good	Polybutene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polybutylene	1213214	GO2Y	Good	Polybutylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polybutylene/ethylene	1213215	G595	Good	Polybutylene/ethylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polycarbonate	1213216	GGBG	Good	Polycarbonate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polyethylene resins, total	1213217	GO6W	Good	Polyethylene resins, total is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polyethylene terephthalate pellets	1213218	GO16	Good	Polyethylene terephthalate pellets is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polypropylene (Superfund)	1213219	GZMW	Good	Polypropylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Polypropylene resins	1213220	GH5G	Good	Polypropylene resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polystyrene homopolymer resins	1213221	G416	Good	Polystyrene homopolymer resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polystyrene resins and copolymers	1213222	GXFS	Good	Polystyrene resins and copolymers is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Polyvinylchloride resins	1213223	G1CO	Good	Polyvinylchloride resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Propanol	1213224	GK1E	Good	Propanol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Propylene glycol	1213225	G862	Good	Propylene glycol is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Propylene oxide	1213226	G3Z6	Good	Propylene oxide is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Sodium nitriolotriacetate monohydrate	1213227	G3MQ	Good	Sodium nitriolotriacetate monohydrate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Styrene (Superfund)	1213228	G8LT	Good	Styrene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Styrene-butadiene, latex	1213229	G2RF	Good	Styrene-butadiene, latex is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Styrene-butadiene, snpf	1213230	GA1W	Good	Styrene-butadiene, snpf is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Synthetic linear fatty alcohol ethoxylates	1213231	G0H5	Good	Synthetic linear fatty alcohol ethoxylates is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Synthetic linear fatty alcohols	1213232	G1VK	Good	Synthetic linear fatty alcohols is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Synthetic rubber, not containing fillers	1213233	G2YQ	Good	Synthetic rubber, not containing fillers is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Terephthalic acid	1213234	GX2B	Good	Terephthalic acid is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Tetrabromobisphenol-A	1213235	GN1B	Good	Tetrabromobisphenol-A is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Tetrachlorophthalic anhydride	1213236	GTS4	Good	Tetrachlorophthalic anhydride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Tetrahydrofuran (Superfund)	1213237	G688	Good	Tetrahydrofuran is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Texanol benzyl phthalate	1213238	GWCS	Good	Texanol benzyl phthalate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Toluene diisocyanate	1213239	GN3V	Good	Toluene diisocyanate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Toluenediamine	1213240	G509	Good	Toluenediamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Trichloroethylene (Superfund)	1213241	GOTL	Good	Trichloroethylene is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Triethanolamine	1213242	GX9A	Good	Triethanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Triisopropanolamine	1213243	G9IK	Good	Triisopropanolamine is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Trimethylolpropane	1213244	G90T	Good	Trimethylolpropane is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Unwrought nickel	1213245	GDT4	Good	Unwrought nickel is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Urea	1213246	G91I	Good	Urea is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.

Vinyl acetate (Superfund)	1213247	GQGT	Good	Vinyl acetate is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Vinyl chloride	1213248	GRZY	Good	Vinyl chloride is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Vinyl resins	1213249	GNZU	Good	Vinyl resins is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Vinyl resins, NSPF.	1213250	G9UK	Good	Vinyl resins, NSPF. is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Wrought nickel rods and wire	1213251	G5G1	Good	Wrought nickel rods and wire is a taxable substance listed in the Internal Revenue Code or by notice published by the Internal Revenue Service because it contains a taxable chemical.
Undetermined Taxable Substance	1213252	GY4C	Good	A taxable substance where the importer has not furnished sufficient information to determine the amount of tax under 26 U.S.C.A. § 4661 on the taxable chemicals used as materials in the manufacture or production of such substance.
Surfactants	121619	G2FQ	Good	A substance or compound that tends to reduce the surface tension of a liquid in which it is dissolved.
Anti foaming agents	12161901	GDS9	Good	A chemical additive that reduces and hinders the formation of foam in industrial process liquids, such as a chemical additive used to prevent the formation of foam during the preparation of a treatment fluid or slurries at surface.

Detergent surfactants	12161902	G4C0	Good	A surfactant or a mixture of surfactants with cleaning properties in dilute solutions. They are a water-soluble cleansing agent that combines with impurities and dirt to make them more soluble.
Foaming agents	12161903	GTUK	Good	A material that facilitates formation of foam of liquids and imparts stability to foams, such as an additive used in preparation of foam used as a drilling fluid.
Dispersing agents	12161904	GZBI	Good	A chemical additive that improves the separation of particles and to prevent settling or clumping, such as a chemical that aids in breaking up solids or liquids as fine particles or droplets into another medium.
Flushes	12161905	GFR1	Good	Reactive fluids which are used and/or pumped to thin and disperse drilling-fluid particles.
Wetting agents	12161906	G8YO	Good	A chemical that can be added to a liquid to reduce its surface tension and make it more effective in spreading over and penetrating surfaces.
Water flood additives	12161907	G419	Good	A chemical additive used in a method of secondary recovery in which water is injected into the reservoir formation to displace residual oil.
Alkyl sulfates	12161908	G58L	Good	Alkyl sulfates are water-soluble salts that act as detergents or wetting agents.
Betaines	12161909	G92Z	Good	A crystalline compound with basic properties similar to amphoteric surfactants. For oil displacement of high salinity and high temperature reservoirs, reducing the oil-water interfacial tension, and have emulsification and solubilization properties.
Ether sulfates	12161910	G9S0	Good	An anionic detergent and high foaming surfactant used as a solvent.
Quaternaries	12161911	G64A	Good	A cationic amine salt in which the nitrogen atom has four groups bonded to it and carries a positive charge. Quaternary amines are used as oil-wetting agents, corrosion and shale inhibitors and bactericides.
Sultaines	12161912	G8VB	Good	A high foaming, biodegradable surfactant that is compatible with virtually all other surfactants.

Spray adjuvant	12161913	G38Y	Good	An ingredient added to a spray that reduces the surface tension of the water on the surface of the spray drop and reduces the interfacial tension between the spray drop and surface of the sprayed object, thus improving spray effectiveness.
Emulsion breakers	121625	G90A	Good	A class of specialty chemicals used to separate emulsions, such as water in oil, which are designed to extract impurities and salt from oil prior to refining it. These are also referred to as demulsifiers.
Water in oil emulsion breakers	12162501	GY1P	Good	A fluid with water or brine as droplets dispersed into an external phase of oil.
Oil in water emulsion breakers	12162502	G328	Good	A dispersion of oil droplets into an aqueous medium. This describes an emulsion mud, as contrasted with an invert-emulsion mud. The term should not be used to refer to synthetic-in-water emulsion because a synthetic fluid is not a true oil.
Flotation aids	12162503	G777	Good	A class of specialty chemicals used to separate emulsions where the oil separates (flocculates) from the water phase and floats to the surface.
Paraffin asphaltene control agents	121629	G6J0	Good	Solvents and surface active agents which act to disperse or dissolve waxes, effectively keeping them in solution, and used to prevent or considerably reduce paraffin deposition.
Solvent type paraffin asphaltene control agents	12162901	G762	Good	A chemical that acts to dissolve paraffin from its deposits.
Crystal modified paraffin asphaltene control agents	12162902	GMIZ	Good	Chemical compounds function as crystal growth modifiers, to keep the wax particulate size small and avoid agglomeration.
Dispersant type paraffin asphaltene control agents	12162903	GHYF	Good	These consist of compounds that have the ability to coat small particles of paraffin, decreasing their tendency to agglomerate or to cling to other surfaces, such as pipe and rods.
Mud removal mixtures	121630	G6L4	Good	Chemicals used to disperse and remove mud cake from the wellbore and break emulsions and water blocks. It is pumped ahead of cement slurry during a cement job and used to clean up perforations.

Mud cleanout agents	12163001	GXF3	Good	A chemical used to disperse and remove mud cake from the wellbore and break emulsions and water blocks. It is pumped ahead of cement slurry during a cement job and used to clean up perforations.
Oil well sealants	121635	G53Y	Good	These are chemicals used to permanently seal annular spaces between casing and borehole walls and seals formations to prevent loss of drilling fluid. Various additives are used to control density, setting time, strength and flow properties.
Cementing sealants	12163501	G513	Good	These are chemicals used in the cementing operation performed to place a cement sheath around a casing or liner.
Corrosion inhibitors	121636	GSZ3	Good	A chemical additive used in acid treatments to protect iron and steel components in the wellbore and treating equipment from the corrosive treating fluid.
Oil production corrosion inhibitors	12163601	GX0A	Good	A chemical additive used in acid treatments to protect iron and steel components in the wellbore and treating equipment from the corrosive treating fluid.
Gas production corrosion inhibitors	12163602	GRWH	Good	A chemical additive used in acid treatments to protect iron and steel components in the wellbore and treating equipment from the corrosive treating fluid.
Gas hydrate controllers	121637	GUB0	Good	Chemicals that are used to decrease or prevent the formation of hydrate.
Kinetic hydrate controllers	12163701	G534	Good	These are chemicals, or kinetic hydrate inhibitors, that strongly decrease the speed of the formation of the cell structure. The inhibitors interfere in the chemical equilibrium of the formation reaction and decrease the reaction rate.
Chemical scavengers	121638	G905	Good	A treating chemical that is added to a drilling mud or other fluid to react with a contaminant to change the contaminant to a less harmful compound.
Hydrogen sulfide scavengers	12163801	G06I	Good	A chemical that removes all three soluble sulfide species, H <sub>2</sub> S, S-2 and HS-, and forms a product that is nonhazardous and noncorrosive.

Oxygen scavengers	12163802	GB0D	Good	A chemical that reacts with dissolved oxygen (O <sub>2</sub> ) to reduce corrosion, such as sulfite (SO <sub>3</sub> <sup>-2</sup> ) and bisulfite (HSO <sub>3</sub> <sup>-</sup> ) ions that combine with oxygen to form sulfate (SO <sub>4</sub> <sup>-2</sup> ).
Scale controllers	121639	G60T	Good	Chemical treatments used to control or prevent scale deposition in the production conduit or completion system.
Scale inhibitor	12163901	GKOH	Good	A chemical treatment used to control or prevent scale deposition in the production conduit or completion system.
Scale removers or converters	12163902	GWV8	Good	Scale-inhibition treatments involve squeezing a chemical inhibitor into a water-producing zone for subsequent commingling with produced fluids, preventing further scale precipitation.
Bactericides	121640	G0P7	Good	An additive that kills bacteria. Bactericides are commonly used in water muds containing natural starches and gums that are especially vulnerable to bacterial attack.
Registered microbiocides	12164001	GKV4	Good	An additive that kills or inhibits the growth of bacteria typically found in and around oilfield applications, such as acid producing bacteria and sulfate-reducing bacteria.
Non emulsifiers	121644	GKY4	Good	These are additives which when used in water, acid, or oil-based treating fluids prevent emulsions from forming downhole and clogging the well.
Non emulsifying additives	12164401	GHAB	Good	These are blended nonionic surfactants added into the stimulation fluids to reduce the emulsion tendency of fluids with residual oils in formation and breaks down emulsion before the stimulated well is put back to production.
Hydrogen [FTA 259]	12141902.25 9000	GM4K	Good	Hydrogen [FTA 259]

## 15 Fuels, Additives, Lubes, Anti Corrosive Material

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Alcohol [FTA 123]	15.123000	GT8T	Good	Alcohol [FTA 123]

High Sulfur Heating Oil # 2 Dyed [FTA 230]	15101701.23000	GQEY	Good	Dyed heating oil #2 derived from petroleum containing .06% or higher sulfur content used primarily for heating.
Heating Oil [FTA 152]	15101701.152000	GW19	Good	Heating Oil [FTA 152]
Heating Oil Dyed - 10% Biodiesel [FTA 152 - B10]	15101701.152010	G894	Good	Dyed petroleum distillate used primarily for heating purposes which contains 10% biodiesel.
Heating Oil Dyed - 20% Biodiesel [FTA 152 - B20]	15101701.152020	G8L5	Good	Dyed petroleum distillate used primarily for heating purposes which contains 20% biodiesel.
Heating Oil Dyed - 7% Biodiesel [FTA 152 - B07]	15101701.152007	G2AY	Good	Dyed petroleum distillate used primarily for heating purposes which contains 7% biodiesel.
Heavy Fuel Oil Grade 6 [FTA 181]	15017.181000	G66Z	Good	Crude oil distillate or residual fuel oil including bunker c fuel oil used for electric power, space heating, and other industrial purposes.
Marine Gas Oil [FTA 280]	151017.280000	GZJ4	Good	Marine Gas Oil [FTA 280]
Residual Fuel Oil [FTA 175]	15101702.175000	G1TG	Good	Residual Fuel Oil [FTA 175]
Aviation Gasoline [FTA 125]	151015.125000	GZB4	Good	Aviation Gasoline [FTA 125]
Biodiesel Dyed [FTA 171]	151015.171000	GIO5	Good	Biodiesel Dyed [FTA 171] – Permitted Use
Biodiesel Blend Dyed - 10% Biodiesel [FTA 171 - D10]	151015.171010	GSI6	Good	Dyed biodiesel blend containing 10% biodiesel and 90% petroleum diesel.
Biodiesel Blend Dyed - 11% Biodiesel [FTA 171 - D11]	151015.171011	GX5F	Good	Dyed biodiesel blend containing 11% biodiesel and 89% petroleum diesel.
Biodiesel Blend Dyed - 20% Biodiesel [FTA 171 - D20]	151015.171020	GG2X	Good	Undyed biodiesel blend containing 2% biodiesel.
Biodiesel Renewable Diesel Blend Dyed - 20% Biodiesel [FTA 171 - B20R80]	151015.171028	GWZ2	Good	Dyed biodiesel blend containing 20% biodiesel and 80% petroleum diesel.
Biodiesel Blend Dyed - 30% Biodiesel [FTA 171 - D30]	151015.171030	G3VP	Good	Dyed biodiesel blend containing 30% biodiesel and 70% petroleum diesel.
Biodiesel Blend Dyed - 5% Biodiesel [FTA 171 - D05]	151015.171005	G753	Good	Dyed biodiesel blend containing 5% biodiesel and 95% petroleum diesel.
Biodiesel Blend Dyed - 50% Biodiesel [FTA 171 - D50]	151015.171050	GAC5	Good	Dyed biodiesel blend containing 50% biodiesel and 50% petroleum diesel.

Biodiesel Renewable Diesel Blend Dyed - 50% Biodiesel [FTA 171 - B50R50]	151015.171055	GSUS	Good	Dyed biodiesel blend containing 50% renewable diesel and up to 50% biodiesel. Contains 0.1% petroleum product.
Biodiesel Blend Dyed - 99% Biodiesel [FTA 171 - D99]	151015.171099	GU09	Good	Dyed biodiesel blend containing 99.9% biodiesel and 0.1% petroleum diesel.
Biodiesel Undyed [FTA 170]	151015.170000	G80P	Good	Biodiesel Undyed [FTA 170]
Biodiesel Blend Undyed - 10% Biodiesel [FTA 170 - B10]	15101505.170010	GBKV	Good	Undyed biodiesel blend containing 10% biodiesel.
Biodiesel Blend Undyed - 11% Biodiesel [FTA 170 - B11]	15101505.170011	G2DR	Good	Undyed biodiesel blend containing 11% biodiesel.
Biodiesel Blend Undyed - 2% Biodiesel [FTA 170 - B02]	15101505.170002	G7RT	Good	Undyed biodiesel blend containing 2% biodiesel.
Biodiesel Blend Undyed - 20% Biodiesel [FTA 170 - B20]	15101505.170020	GHXB	Good	Undyed biodiesel blend containing 20% biodiesel.
Biodiesel Renewable Diesel Blend Undyed - 20% Biodiesel [FTA 170 - B20R80]	15101505.170208	G4UX	Good	Undyed biodiesel blend containing 80% renewable diesel and up to 20% biodiesel. Contains 0.1% petroleum product.
Biodiesel Blend Undyed - 30% Biodiesel [FTA 170 - B30]	15101505.170030	GN6J	Good	Undyed biodiesel blend containing 30% biodiesel.
Biodiesel Blend Undyed - 5% Biodiesel [FTA 170 - B05]	15101505.170005	GPW2	Good	Undyed biodiesel blend containing 5% biodiesel.
Biodiesel Renewable Diesel Blend Undyed - 0-5% Biodiesel [FTA 170 - B05R00]	15101505.170056	GBZ5	Good	Undyed biodiesel blend containing 95% renewable diesel and up to 5% biodiesel. Contains 0.1% petroleum product.
Biodiesel Renewable Diesel Blend Undyed - 5% Biodiesel [FTA 170 - B05R05]	15101505.170059	G71J	Good	Undyed renewable diesel blend containing 99.9% renewable diesel and 0.1% petroleum based diesel.
Biodiesel Blend Undyed - 90% Biodiesel [FTA 170 - B90]	15101505.170090	G727	Good	Undyed biodiesel blend containing 90% biodiesel.
Biodiesel Blend Undyed - 99% Biodiesel [FTA 170 - B99]	15101505.170099	G2OE	Good	Undyed biodiesel blend containing 99 to 99.9% biodiesel.
Biodiesel Undyed - 100% Biodiesel [FTA 170 - B00]	15101505.170100	GMPW	Good	Undyed biodiesel comprised of 100% biodiesel.
Blending Components [FTA 122]	15101506.122000	GES7	Good	Blending Components [FTA 122]
Benzene [FTA 248]	15101506.248000	G2I8	Good	Benzene [FTA 248]

Butane [FTA 055]	15101506.055000	G2VM	Good	Butane [FTA 055]
Butylene [FTA 198]	15101506.198000	GQUW	Good	Butylene [FTA 198]
Distillate Blendstocks [FTA 24A]	15101506.024000	GQ0W	Good	Petroleum-based fuel component that is either used alone or is blended with one or more other components to produce primarily diesel or jet fuel-type fuel.
Ethane [FTA 052]	15101506.052000	GU8V	Good	Ethane [FTA 052]
Ethyl Tert-Butyl Ether (ETBE) [FTA 249]	15101506.249000	G030	Good	Ethyl Tert-Butyl Ether (ETBE) [FTA 249]
Ethylene [FTA 196]	15101506.196000	GW8V	Good	Ethylene [FTA 196]
Isobutane [FTA 058]	15101506.058000	G2H3	Good	Isobutane [FTA 058]
Methane [FTA 265]	15101506.265000	G66O	Good	Methane [FTA 265]
Methyl Tertiary Butyl Ether (MTBE) [FTA 093]	15101506.093000	GP3V	Good	An ether intended for gasoline blending as described in "Oxygenates."
Naphthas [FTA 126]	15101506.126000	GX5S	Good	Naphthas [FTA 126]
Renewable Naphthas - 99% Renewable [FTA 126 - R99]	15101506.126099	G8PR	Good	Blend of 99.9% naphtha which is a byproduct of renewable feedstock and .1% gasoline.
Pentanes, Including Isopentane [FTA 059]	15101506.059000	G7Q1	Good	Pentanes, Including Isopentane [FTA 059]
Propylene [FTA 075]	15101506.075000	GUMW	Good	Propylene [FTA 075]
Raffinates [FTA 223]	15101506.223000	GY01	Good	Raffinates [FTA 223]
Tertiary Amyl Methyl Ether (TAME) [FTA 121]	15101506.121000	G1SE	Good	Tertiary Amyl Methyl Ether (TAME) [FTA 121]
Toluene [FTA 199]	15101506.199000	G1I8	Good	Toluene [FTA 199]
Waste Oil [FTA 091]	15101506.091000	G3O3	Good	Waste Oil [FTA 091]
Xylene [FTA 076]	15101506.076000	GL5N	Good	Xylene [FTA 076]
Condensate (Not Crude) [FTA 092]	15101506.092000	GX83	Good	Condensate (Not Crude) [FTA 092]
Crude Oil [FTA 001]	15101508.000001	GOJ3	Good	Unrefined petroleum product consisting of a mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities.
Diesel Fuel Dyed [FTA 228]	15101505.228000	GKM6	Good	Diesel Fuel Dyed [FTA 228] – Permitted Use
High Sulfur Diesel #2 Dyed [FTA 226]	15101505.226000	GOJ6	Good	Dyed diesel #2 containing 0.06% or higher sulfur content.
Low Sulfur Diesel #2 Dyed [FTA 227]	15101505.227000	G8R1	Good	Dyed diesel #2 containing 0.05% or lower sulfur content.

Low Sulfur Diesel #4 Dyed [FTA 153]	15101505.153000	G1R9	Good	Dyed diesel #4 containing 0.05% or lower sulfur content.
Kerosene Dyed [FTA 072]	15101502.072000	GVU4	Good	Kerosene Dyed [FTA 072] – Permitted Use
Renewable Diesel Dyed [FTA 181]	15101505.181000	GHK6	Good	A renewable hydrocarbon dyed diesel produced from non-petroleum resources such as vegetable oils, animal fats, used cooking oil, municipal solid waste, or wastewater sludge and oils, but does not constitute biodiesel.
Renewable Diesel Dyed - 80% Renewable [FTA 181 - Y80]	15101505.181080	GRKK	Good	Dyed renewable diesel blend containing 80% renewable diesel.
Kerosene-Type Jet Fuel [FTA 130]	15101504.130000	G9B9	Good	Kerosene-based product used as jet fuel.
Bonded Kerosene-Type Jet Fuel [FTA 130B]	15101504.130100	GL4E	Good	Kerosene-based product used as jet fuel produced outside the US which is stored and remains segregated in storage or is produced in a foreign trade zone and used for international flights.
Naphtha-Type Jet Fuel [FTA 133]	15101504.133000	G14J	Good	Naphtha-based product used as jet fuel.
Marine Diesel Oil [FTA 279]	15101505.279000	GMY5	Good	Marine Diesel Oil [FTA 279]
Soy Oil [FTA 285]	15101506.285000	GYQ6	Good	Soy Oil [FTA 285]
Special Naphthas [FTA 129]	15101506.129000	GVVZ	Good	Finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents, but excluding naphthas intended to be blended or marketed as motor gasoline or aviation gasoline.
Diesel Fuel Undyed [FTA 160]	15101505.160000	G9E0	Good	Diesel Fuel Undyed [FTA 160]
High Sulfur Diesel #2 Undyed [FTA 283]	15101505.283000	GQOV	Good	Undyed diesel #2 containing above 0.05% sulfur content.
Low Sulfur Diesel #1 Undyed [FTA 161]	15101505.161000	G3O2	Good	Undyed diesel #1 containing 0.05% or lower sulfur content.
Low Sulfur Diesel #2 Undyed [FTA 167]	15101505.167000	GQ7T	Good	Undyed diesel #2 containing 0.05% or lower sulfur content.
Gasohol Blend [100] [FTA 124]	15101506.124000	G9KY	Good	Gasohol Blend [100] [FTA 124]
Gasohol Blend - 10% Ethanol [FTA E10]	15101506.124010	G2E1	Good	A fuel consisting of a blend of 10% ethanol and 90% unleaded gasoline.

Gasoline Or Petrol [FTA 065]	15101506.065000	GVLV	Good	Gasoline Or Petrol [FTA 065]
Gasoline MTBE [FTA 071]	15101506.071000	GKN8	Good	Gasoline MTBE [FTA 071]
Methanol Mixture (M00-M99) [FTA 243]	15101506.243000	G4QH	Good	Methanol Mixture (M00-M99) [FTA 243]
Kerosene Undyed [FTA 142]	15101502.142000	G1FY	Good	Kerosene Undyed [FTA 142]
Low Sulfur Kerosene Undyed [FTA 145]	15101502.145000	GP1R	Good	Undyed kerosene containing roughly 0.05% sulfur.
Renewable Diesel Undyed [FTA 180]	15101505.180000	G201	Good	A renewable hydrocarbon undyed diesel produced from non-petroleum resources such as vegetable oils, animal fats, used cooking oil, municipal solid waste, or wastewater sludge and oils, but does not constitute biodiesel.
Renewable Diesel Undyed - 80% Renewable [FTA 180 - R80]	15101505.180080	GF31	Good	Undyed renewable diesel blend containing 80% renewable diesel.
Methyl Ester [FTA MET]	151015.200100	GC6K	Good	Pure biodiesel which has not been certified to meet ASTM standards which is used for off-highway purposes.
Compressed Natural Gas (CNG) [FTA 224]	15111512.224000	GY58	Good	Compressed Natural Gas (CNG) [FTA 224]
Liquefied Natural Gas (LNG) [FTA 225]	15111511.225000	G5SQ	Good	Liquefied Natural Gas (LNG) [FTA 225]
Propane [FTA 054]	15111501.054000	GP69	Good	Propane [FTA 054]
Non-Odorized Propane [FTA NP1]	15111501.051000	GSL7	Good	Liquefied Petroleum Gas which is not odorized.
Renewable Propane [FTA R054]	15111501.054100	GG5P	Good	A byproduct of renewable diesel, serving as a lower carbon fuel for propane engines with reduced GHG emissions, made from non-petroleum sources like natural fats, vegetable oils, and greases.
Base Oils [FTA 184]	1512.184000	G9C0	Good	Crude oil byproduct used to formulate lubricants.
Transmix [FTA 100]	15101506.100000	G71B	Good	Transmix [FTA 100]

## 20 Mining and Well Drilling Machinery and Accessories

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
20 Mining and Well Drilling Machinery and Accessories	20	GB62	Good	Mining, well drilling machinery, and accessories.
Well drilling and operation equipment	2011	GL6O	Good	Well drilling and operation equipment

Drilling and exploration equipment	201115	G495	Good	Component part of drilling and exploration equipment.
Water well drilling equipment	20111504	G50W	Good	Drilling machinery used in the drilling of a water well.
Uranium exploration equipment	20111505	GGUH	Good	Uranium exploration equipment is a component part of drilling and exploration equipment.
Drilling and operation machinery	201116	G03L	Good	Component parts of drilling and operation machinery.
Boring or sinking machinery	20111601	GB4S	Good	Boring or sinking machinery is a component part of drilling and operation machinery used for boring and/or directional drilling at a production site.
Downhole assembly machinery	20111602	G1GB	Good	Downhole assembly machinery is a component part of drilling and operation machinery used for boring and/or directional drilling at a production site.
Hammer drills	20111603	GMP7	Good	Drills used to reduce drilling time and cost by increasing rate of penetration, minimizing deviation problems and lowering rig cost.
Crawler drills	20111604	G2UL	Good	Crawler drills are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Pneumatic vibrators	20111606	G243	Good	Pneumatic vibrators are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Tunneling machinery	20111607	G107	Good	Tunneling machinery is a component part of drilling and operation machinery used for boring and/or directional drilling at a production site.
Striking hammers	20111608	GQ6F	Good	Striking hammers are component parts of drilling and operation machinery Equipment & machinery used for boring and/or directional drilling at a production site.
Sinker drills	20111609	GJI4	Good	Sinker drills are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Sewer inspection machinery	20111610	G2A0	Good	Sewer inspection machinery is a component part of drilling and operation machinery used for boring and/or directional drilling at a production site.

Rotary drills	20111611	GPU3	Good	Rotary drills are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Drilling rigs	20111612	G119	Good	The machine used to drill a wellbore. In onshore operations, the rig includes virtually everything except living quarters.
Long hole drills	20111613	GO19	Good	Long hole drills are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Industrial drill bits	20111614	GD9J	Good	The tool used to crush or cut rock. Everything on a drilling rig directly or indirectly assists the bit in crushing or cutting the rock.
Drifters	20111615	GM5Q	Good	A hydraulic or pneumatic rock or ground drill used to make horizontal holes in tunnel construction and mining.
Derricks	20111616	G484	Good	The structure used to support the crown blocks and the drill string of a drilling rig. Derricks are usually pyramidal in shape, and offer a good strength-to-weight ratio.
Drilling carriages	20111617	G319	Good	Drilling carriages are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Downhole fishing poles	20111618	GYOG	Good	Downhole fishing poles are component parts of drilling and operation machinery used for boring and/or directional drilling at a production site.
Well drilling bit cones	20111619	G7DT	Good	Drill bit used for drilling though rock.
Hammer grab	20111620	GAR4	Good	A machine that pumps out earth and sand as well as fragmented substances inside the casing at the time of boring with large caliber in public works.
Casing oscillator	20111621	GQ5M	Good	A type of construction equipment used in drilling and foundation work for buildings, factories, roads, bridges and steel towers.
Reverse circulation drill	20111622	G2IZ	Good	A type of drilling rig that crushes base rock by attaching a roller bit to the drill rod block section & discharges crushed excavated soil to the surface by sucking the circulation water and crushed rock with a vacuum pump through the drill rod pipe.

Diaphragm wall clamshell	20111623	G40C	Good	A type of equipment that is used for bucket type excavation of narrow and deep underground holes.
Drilling and operation accessories	201117	G15M	Good	Component part of drilling and operation accessories.
Audio visual instruments for well inspection	20111701	GB7N	Good	Audio visual instruments for well inspection that are component parts of drilling and operation accessories.
Packers or tubing anchors	20111702	G064	Good	A device that can be run into a wellbore with a smaller initial outside diameter that then expands externally to seal the wellbore. Packers employ flexible, elastomeric elements that expand.
Drilling casings	20111703	G5PX	Good	Large-diameter pipe lowered into an open hole and cemented in place. The well designer must design casing to withstand a variety of forces, such as collapse, burst, and tensile failure, as well as chemically aggressive brines.
Drilling screens	20111704	GY7L	Good	A device used in sand control applications to support the gravel pack. To form a screen, a profiled wire is wrapped and welded in place on a perforated liner.
Well points	20111705	G9QX	Good	Well points are component parts of drilling and operation accessories.
Drilling wedges	20111706	GHOX	Good	Equipment used when borehole deviates while drilling.
Drilling tool adapters	20111707	G0P1	Good	Drilling tool adapters are component parts of drilling and operation accessories.
Drill stems	20111708	GAUZ	Good	The combination of the drill pipe, the bottomhole assembly and any other tools used to make the drill bit turn at the bottom of the wellbore.
Well drilling tool or accessory kits	20111709	GH4N	Good	Well drilling tool or accessory kits are component parts of drilling and operation accessories.
Thru tubing packer repair kit	20111710	GJ1K	Good	Repair kit for a device that can be run into a wellbore with a smaller initial outside diameter that then expands externally to seal the wellbore. Packers employ flexible, elastomeric elements that expand.

Thru tubing parts and accessories	20111711	G25Z	Good	Parts and components used in the tubing string. Through-tubing is generally associated with live-well operations, thereby causing minimal interruption to production and eliminating the need to kill the well.
Wash pipe	20111712	G6CT	Good	A tool-string component used with a burn shoe for washover operations. The wash pipe is a relatively large internal-diameter tubular that can be washed over a fish in preparation for engaging and retrieving the fish.
Drilling fingerboard	20111713	G198	Good	The working platform approximately halfway up the derrick or mast in which the derrickman stores drill pipe and drill collars in an orderly fashion during trips out of the hole.
Coiled tubing connector	20111714	G0D3	Good	A downhole device used to connect the tool string to the coiled tubing string.
Well site pit liner	20111715	G661	Good	Liner used to contain water pumped from well sites until it can be picked up and disposed of. Similar to a pool liner.
Oil and gas drilling and exploration equipment	2012	G4R1	Good	Oil and gas drilling and exploration equipment
Acidizing equipment	201210	GTOJ	Good	Equipment used in the pumping of acid into the wellbore to remove near-well formation damage and other damaging substances. This procedure commonly enhances production by increasing the effective well radius.
Acidizing blending units	20121001	GYDL	Good	Acidizing blending units are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing density sensors	20121002	GRZR	Good	Acidizing density sensors are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing pumping units	20121003	GY39	Good	Equipment used in the pumping of acid into the wellbore to remove near-well formation damage and other damaging substances.

Acidizing units	20121004	GW8U	Good	Devices that bring high horsepower pumping, acid transportation, and fluid mixing capabilities to the well site.
Acidizing air piping	20121005	G4TM	Good	Acidizing air piping is a component part of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing ball injectors	20121006	GRW8	Good	Used to inject balls together with a pressurized acid solution (Acid-fracturing or Matrix Acidizing) into the well.
Bulk liquid acid equipment	20121007	GGD8	Good	Bulk liquid acid equipment is a component part of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing drop boxes	20121008	G7ZW	Good	Acidizing drop boxes are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing flow meters	20121009	G9Y7	Good	Devices installed in a pump manifold or treating line to measure the fluid flow rate. Flowmeters can be used to measure the flow rates of liquid or gas and are available in various configurations and with differing operating principles.
Acidizing junction boxes	20121010	G2AU	Good	Acidizing junction boxes are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing pressure sensors	20121011	GEN3	Good	Acidizing pressure sensors are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.

Acidizing process piping	20121012	GJS5	Good	Acidizing process piping is a component part of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing straight joints	20121013	GYRG	Good	Acidizing straight joints are component parts of acidizing equipment used in the delivery and injection of acids and other compounds into geological formations for the primary purpose of stimulating producing activity.
Acidizing swivels	20121014	G054	Good	A mechanical device that suspends the weight of the drill string. It is designed to allow rotation of the drill string beneath it conveying high volumes of high-pressure drilling mud between the rig's circulation system and the drill string.
Acidizing treating irons	20121015	GJ8G	Good	The temporary surface piping, valves and manifolds necessary to deliver a fluid treatment to the wellbore from the mixing and pumping equipment.
Acidizing tree savers	20121016	G9MC	Good	Pressure isolation sleeves that passes through one or more production valves and isolates them from high fracturing pressures.
Cementing equipment	201211	G10R	Good	A device used to prepare and pump cement into place in a wellbore.
Blending units	20121101	GL1B	Good	Blending units are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Bridge plugs	20121102	G733	Good	A downhole tool that is located and set to isolate the lower part of the wellbore. It is permanent or retrievable, enabling the lower wellbore to be permanently sealed or temporarily isolated from a treatment conducted on an upper zone.
Bulk liquid cement equipment	20121103	GS0C	Good	Bulk liquid cement equipment is a component part of cementing equipment used to prepare and pump cement into place in a wellbore.

Cement bulk material equipment	20121104	G807	Good	Cement bulk material equipment is a co\component part of cementing equipment used to prepare and pump cement into place in a wellbore.
Cement density sensors	20121105	GMFK	Good	Cement density sensors are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Cement floating bulk units	20121106	G5KX	Good	Cement floating bulk units are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Cement floating equipment stage tools	20121107	GX8X	Good	Cement floating equipment stage tools are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Cement floating equipment wiper plugs	20121108	G8UO	Good	Rubber plugs used to separate the cement slurry from other fluids, reducing contamination and maintaining predictable slurry performance. Two types of cementing plugs are typically used on a cementing operation. Another term for cementing plug.
Cement pumping units	20121109	GVX1	Good	Equipment used to pump cement.
Cement retainers	20121110	GQYN	Good	An isolation tool set in the casing or liner that enables treatments to be applied to a lower interval while providing isolation from the annulus above. Cement retainers are typically used in cement squeeze or similar remedial treatments.
Centralizers	20121111	G59V	Good	A device fitted with a hinged collar and bowsprings to keep the casing or liner in the center of the wellbore to help ensure efficient placement of a cement sheath around the casing string.
Express latch couplers	20121112	GT4T	Good	Express latch couplers are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Float collars	20121113	GW9G	Good	A component installed near the bottom of the casing string on which cement plugs land during the primary cementing operation. It typically consists of a short length of casing fitted with a check valve.

Float shoes	20121114	GOJR	Good	A rounded profile component attached to the downhole end of a casing string. It prevents reverse flow, or U-tubing, of cement slurry from the annulus into the casing or flow of wellbore fluids into the casing string as it is run.
Oilfield cementing tools	20121115	GQ7G	Good	Oilfield cementing tools are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Retrievable cementing packers	20121116	GC7Z	Good	Retrievable cementing packers are component parts of cementing equipment used to prepare and pump cement into place in a wellbore.
Subsea cement heads	20121118	GVT9	Good	A device fitted to the top joint of a casing string to hold a cement plug before it is pumped down the casing during the cementing operation. In most operations, a bottom plug is launched before the spacer or cement slurry.
Surface cement heads	20121119	GSI2	Good	A device fitted to the top joint of a casing string to hold a cement plug before it is pumped down the casing during the cementing operation. In most operations, a bottom plug is launched before the spacer or cement slurry.
Bow spring centralizer	20121120	G857	Good	A type of centralizer employing a metal strip shaped like a hunting bow attached to the outside of well casing. Used to keep casing in the center of a wellbore prior to and during a cement job.
Blade centralizer	20121121	GYLE	Good	A type of centralizer employing a rigid blade design. The blade is made of high-quality chrome molybdenum alloy steel.
Bow spring centralizer sub	20121122	GLDF	Good	Combination of short length of pipe with bow spring centralizer.
Cementing stage tool kit	20121123	GJ31	Good	Assortment of stage tool components which are used to position the casing string in a wellbore for cementing operations.
Cementing float equipment kit	20121124	GHW5	Good	Assortment of float equipment components used to provide casing buoyancy and prevention of re-entry of cement. They guide casing into the wellbore and provide a landing seat for wiper plugs in oilfield cementing operations.

Cement retainer kit	20121125	G3R6	Good	Assortment of isolation tools set in the well casing or liner that enables treatments to be applied to a lower interval while providing isolation from the annulus above.
Centralizer parts and accessories	20121126	G5RZ	Good	Parts and accessories for devices used to centralize the casing string in the wellbore oil well drilling operations.
Landing collar	20121127	GT12	Good	A component installed near the bottom of the casing string.
Torque and drag reduction tool	20121128	GRHQ	Good	Specialized type of cementing equipment tool for oilfield operations.
Torque and drag reduction tool parts and accessories	20121129	G0Z3	Good	Component parts and accessories for torque and drag reduction tool.
Bridge plug parts and accessories	20121130	G582	Good	Parts and accessories for a downhole tool, composed primarily of slips, a plug mandrel, and a rubber sealing element, that is run and set in casing to isolate a lower zone while an upper section is being tested or cemented.
Fracturing equipment	201212	GLGY	Good	Equipment used in the fracturing a geological formation for the purpose of stimulating producing activity.
Bulk liquid fracturing equipment	20121201	GC8P	Good	Bulk liquid fracturing equipment is a component part of fracturing equipment used in the fracturing a geological formation for the purpose of stimulating producing activity.
Fracturing bulk proppant equipment	20121202	G8ZN	Good	Fracturing bulk proppant equipment is a component part of fracturing equipment used in the fracturing a geological formation for the purpose of stimulating producing activity.
Fracturing control units	20121203	G11J	Good	Fracturing control units are component parts of fracturing equipment used in the fracturing a geological formation for the purpose of stimulating producing activity.
Fracturing density sensors	20121204	G06Z	Good	Fracturing density sensors are component parts of fracturing equipment.

Fracturing manifold units	20121205	G700	Good	A system of frac valves that directs treatment fluid from the missile to multiple frac trees. The frac manifold facilitates quick redirection of pressure from one well to another, enabling pump trucks to run nearly continuously to minimize downtime.
Fracturing proppant conveying equipment	20121206	G258	Good	Fracturing proppant conveying equipment is a component part of fracturing equipment.
Fracturing pumping units	20121207	G5VI	Good	Fracturing pumping units are component parts of fracturing equipment.
Fracturing slurry blending units	20121208	GO2F	Good	Fracturing slurry blending units are component parts of fracturing equipment.
Gel blending units	20121209	GSPZ	Good	The primary fluid used in hydraulic fracturing operations. Several chemical additives generally will be added to the frac gel to form a treatment fluid specifically designed for the anticipated wellbore, reservoir and operating conditions.
Fracturing missiles	20121210	GVY5	Good	Flow control unit used in the pressurization of fluid employed in hydraulic fracturing. Fracturing fluid enters the missile at low pressure and is directed to the pump trucks for pressurization.
Pump integrity monitors	20121211	GK7F	Good	Pump integrity monitors are a component part of fracturing equipment.
Fracturing service packers	20121212	G888	Good	A device that can be run into a wellbore with a smaller initial outside diameter that then expands externally to seal the wellbore. Packers employ flexible, elastomeric elements that expand. Used temporarily during well service activities.
Stimulation pumping units	20121213	G4C2	Good	A high-pressure, high-volume pump used in hydraulic fracturing treatments.
Sand control equipment	201213	G8DZ	Good	The installation of equipment or application of techniques to prevent migration of reservoir sand into the wellbore or near-wellbore area.

Blanking plugs	20121301	G6FT	Good	Blanking plugs are available to hold differential pressure in the tubing string from above, below, or both. They can be used in low- or high-pressure applications with differential pressures up to 10,000 psi [69 MPa].
Floater	20121302	GB1H	Good	Floater are component parts of sand control equipment.
Frac pack systems	20121303	GDPS	Good	Frac pack systems are component parts of sand control equipment.
Gravel pack systems	20121304	G0BQ	Good	A sand-control method used to prevent production of formation sand.
Guide shoes	20121305	GL1Q	Good	A tapered, often bullet-nosed piece of equipment often found on the bottom of a casing string.
Hook up nipples	20121306	GIA1	Good	Hook up nipples are component parts of sand control equipment.
Make up subs	20121307	G390	Good	Make up subs are component parts of sand control equipment.
Production tubing overshots	20121308	G011	Good	A downhole tool used in fishing operations to engage on the outside surface of a tube or tool. A grapple, or similar slip mechanism, on the overshot grips the fish, allowing application of tensile force and jarring action.
Sand control blanks	20121309	G963	Good	A short section of plain tubing used to separate or space-out specialized components in a completion assembly. Blank pipe is commonly used in sand control completions where intervals of screen are separated by short sections of blank pipe.
Sand control bulk liquid equipment	20121310	GG07	Good	Sand control bulk liquid equipment are component parts of sand control equipment.
Sand control bulk proppant equipment	20121311	G0W5	Good	Device uses sized particles mixed with fracturing fluid to hold fractures open after a hydraulic fracturing treatment. In addition to naturally occurring sand grains, man-made or specially engineered proppants.
Sand control density sensors	20121312	GZ0S	Good	Sand control density sensors are component parts of sand control equipment.
Sand control manifold units	20121313	GS25	Good	An arrangement of piping or valves designed to control, distribute and typically monitor fluid flow as a sand control device.

Sand control proppant conveying equipment	20121314	GRT1	Good	Sand control proppant conveying equipment are component parts of sand control equipment.
Sand control pumping units	20121315	G514	Good	Sand control pumping units are component parts are component parts of sand control equipment.
Sand control screens	20121316	G7HZ	Good	A device used in sand control applications to support the gravel pack. To form a screen, a profiled wire is wrapped and welded in place on a perforated liner.
Sand control slurry blending units	20121317	GG8H	Good	A device used in sand control which uses a mixture of suspended solids and liquids. Muds in general are slurries, but are seldom called that. Cement is a slurry and is often referred to as such.
Sand detectors	20121318	GA3X	Good	A sensor or receiver used in sand control.
Seal assembly locators	20121319	GQEY	Good	Seal assembly locators are component parts of sand control equipment.
Shear joints	20121320	G7V6	Good	Shear joints are component parts of sand control equipment.
Sleeve shifting tools	20121321	GZ2Q	Good	Sleeve shifting tools are component parts of sand control equipment.
Sliding sleeves	20121322	GKWC	Good	A completion device that can be operated to provide a flow path between the production conduit and the annulus.
Velocity strings	20121323	GH4Y	Good	A small-diameter tubing string run inside the production tubing of a well as a remedial treatment to resolve liquid-loading problems.
Sand control ring	20121324	G90J	Good	A component used to seal by welding the filter and outside cover of a sand control device.
Slotted pipe pattern	20121325	GM4G	Good	A template for placing slots through the wall of a metal pipe in a helical pattern used in sand control operations.
Sand control screen parts and accessories	20121326	G0N4	Good	Parts and accessories for device used to prevent sand from interfering with the oil well production process.
Completion tools and equipment	201214	GRH1	Good	Devices and tools necessary to bring a wellbore into production once drilling operations have been concluded, including but not limited to the assembly of downhole tubulars and equipment required to enable safe and efficient production from a well.

Ball catcher subs	20121401	GEP3	Good	A downhole device or assembly used to catch and retain balls used to actuate ball-operated tools or equipment. Following activation, some ball-operated tools incorporate a means of ejecting the activation ball to regain a full-bore flow path.
Blast joints	20121402	G7A5	Good	A section of heavy walled tubing that is placed across any perforated interval through which the production tubing must pass, such as may be required in multiple zone completions.
Blast nipples	20121403	GLW1	Good	Blast nipples are component parts of completion tools and equipment.
Completion bull plugs	20121404	GC8O	Good	A solid plug used as an isolation device in piping systems, conduits or wellbore tubulars.
Circulation production devices	20121405	G6M0	Good	A completion component, generally included in the lower assembly near the packer, that allows communication between the tubing and annulus. Circulation devices enable the circulation of fluids for well control or kickoff purposes.
Completion test equipment	20121406	G695	Good	Completion test equipment is a component part of completion tools and equipment.
Control line protectors	20121407	G1AL	Good	A small-diameter hydraulic line used to operate downhole completion equipment, such as the surface controlled subsurface safety valve (SCSSV). Most systems operated by control line operate on a fail-safe basis.
Deflection tools	20121408	GSXP	Good	Deflection tools are component parts of completion tools and equipment.
Completion expansion joints	20121409	GG7V	Good	A device or completion component designed to enable relative movement between two fixed assemblies in the event of thermal expansion or contraction.
Flow couplings	20121410	GV1S	Good	A relatively short, heavy-walled completion component installed in areas where turbulence is anticipated. The additional wall thickness prevents early failures due to erosion in the turbulent flow area.

Gas lift equipment	20121411	G8OU	Good	Devices used in gas lift method, which is an artificial-lift method in which gas is injected into the production tubing to reduce the hydrostatic pressure of the fluid column.
Hanger landing tools	20121412	GOMR	Good	Hanger landing tools are component parts of completion tools and equipment.
Completion hydraulic pumps	20121413	G457	Good	Devices used in an artificial-lift system that operates using a downhole pump. A surface hydraulic pump pressurizes crude oil called power oil, which drives the bottom pump.
Hydraulic setting tools	20121414	GS2R	Good	A tool or device that is used in the placement or setting of downhole equipment, such as permanent packers or plugs.
Injection systems	20121415	G992	Good	A small-diameter conduit that is run alongside production tubulars to enable injection of inhibitors or similar treatments during production.
Landing nipples	20121416	GW10	Good	A completion component fabricated as a short section of heavy wall tubular with a machined internal surface that provides a seal area and a locking profile.
Liner hangers	20121417	G6Y4	Good	A device used to attach or hang liners from the internal wall of a previous casing string. Liner hangers are available in a range of sizes and specifications to suit a variety of completion conditions.
Packer pulling tools	20121418	GSEK	Good	A slickline or coiled tubing tool used to retrieve temporary devices, such as plugs and flow-control equipment, from the wellbore.
Packer running tools	20121419	GOTD	Good	A tool or device that is used in the placement or setting of downhole equipment, such as permanent packers or plugs. The running tool can be retrieved after the operation or setting process.
Production packers	20121420	GAOL	Good	A device used to isolate the annulus and anchor or secure the bottom of the production tubing string. A range of production packer designs is available to suit the wellbore geometry and production characteristics of the reservoir fluids.

Pump down through flow line equipment	20121421	GUJ8	Good	Pump down through flow line equipment is a component part of completion tools and equipment.
Completion safety joints	20121422	G693	Good	Another term for release joint, a downhole tool that is designed to part under controlled conditions. A release joint enables part of the tool string to be left in the wellbore while the running string is retrieved.
Completion seal assemblies	20121423	GY38	Good	A system of seals arranged on the component that engages in a seal bore to isolate the production-tubing conduit from the annulus.
Seal bores or polished bores	20121424	G17S	Good	A polished bore designed to accept a seal assembly, such as may be used in a permanent production packer.
Side pocket mandrels	20121425	GV5V	Good	A completion component that is used to house gas-lift valves and similar devices that require communication with the annulus.
Subsurface safety valves	20121427	GFY8	Good	A downhole safety valve designed to close automatically in an emergency situation. There are two basic operating mechanisms: valves operated by an increase in fluid flow and valves operated by a decrease in ambient pressure.
Travel joints	20121428	GBGP	Good	Also known as slip joint, a telescoping joint at the surface in floating offshore operations that permits vessel heave (vertical motion) while maintaining a riser pipe to the seafloor.
Tubing anchors	20121429	G892	Good	Tubing anchors are component parts of completion tools and equipment.
Twin flow assemblies	20121430	G5DX	Good	Twin flow assemblies are component parts of completion tools and equipment.
Inflatable packer	20121431	GM09	Good	A type of packer that uses an inflatable bladder to expand the packer element against the casing or wellbore.
Downhole control valve parts and accessories	20121432	GVJX	Good	Component parts of control valve used in the wellbore in oilfield operations.

Cased hole completion repair kit	20121433	G80Q	Good	Tools used to repair cased-hole completions which are comprised of small holes made in the portion of the casing passing through the production zone to provide a path for the oil to flow from the surrounding rock into the production tubing.
Sliding sleeve repair kit	20121434	GHT1	Good	Assortment of components used to repair sliding action in sleeve for performing ON / OFF action in artificial lift valve systems.
Setting adapter kit	20121435	G4D3	Good	Assortment of components used in constructing the setting adapter which is part of the setting tool also known as a running tool. This is a tool or device used in the placement or setting of downhole equipment such as permanent packers or plugs.
Plunger lift system parts and accessories	20121436	G092	Good	Component parts of a system that unloads gas wells and high gas/liquid ratio oil wells without interrupting production.
Subsurface safety valve parts and accessories	20121437	GPV7	Good	Component parts and accessories of a specialized downhole valve used in oilfield operations.
Gas lift valve parts and accessories	20121438	GC3R	Good	Parts and accessories of valve used in an artificial-lift method in which gas is injected into the production tubing to reduce the hydrostatic pressure of the fluid column called asgas lift system.
Production packer mandrel	20121439	G140	Good	Sealing device of liner in oil well drilling operations.
Annulus casing packer sub	20121440	GH19	Good	Sealing device with sub used in space between two concentric objects such as wellbore and casing.
Liner setting tool	20121441	GO5Y	Good	Running tool used in liner placing operations in wellbore in production process.
Drag block	20121442	G1MC	Good	Spring-loaded buttons on a packer that provide friction with casing to retard movement of one section of a packer while another section rotates for setting.
Liner packer setting tool kit	20121443	G0X9	Good	Assortment of tools used in setting liner packers in production process.

Liner system repair kit	20121444	G59S	Good	Assortment of components used to repair liner system, e.g., parts of the casing string that do not extend to the top of the wellbore, but instead are anchored or suspended from inside the bottom of the previous casing string.
Production packer parts and accessories	20121445	G6W0	Good	Parts and accessories for an isolating device used in the oil well completion process.
Liner top packer	20121446	G92I	Good	Sealing device of liner in oil well drilling operations.
Liner setting collar	20121447	G853	Good	Special tool with collar for setting liner in open wellbore.
Junk bonnet	20121448	GW88	Good	Device used for collecting junk in oil well completion process.
Plunger lift equipment	20121449	GO0U	Good	Equipment used in gas wells to unload relatively small volumes of liquid. Called a plunger lift system.
Gas lift mandrel	20121450	GYCQ	Good	Device installed in the tubing string of a gas-lift well onto which or into which a gas-lift valve is fitted.
Gas lift valve	20121451	GSCS	Good	A device installed on a gas lift mandrel, which in turn is put on the tubing string of a gas lift well.
Conventional drilling tools	201215	G6Y5	Good	Component parts of conventional drilling tools.
Blowout preventers	20121501	GW60	Good	A large valve at the top of a well that may be closed if the drilling crew loses control of formation fluids.
Blowout preventer controls	20121502	G940	Good	Blowout preventer controls are component parts of conventional drilling tools.
Casing scrapers	20121503	G677	Good	A downhole tool incorporating a blade assembly that is used to remove scale and debris from the internal surface of a casing string.
Drill collars	20121504	GBS6	Good	A component of a drill string that provides weight on bit for drilling. Thick-walled tubular pieces machined from solid bars of steel, usually plain carbon steel but sometimes of nonmagnetic nickel-copper alloy or other nonmagnetic premium alloys
Coring equipment	20121505	GO57	Good	Coring equipment is a component part of conventional drilling tools.
Drill pipe thread protectors	20121506	G2X0	Good	Equipment used to seal & protect internal and external drill pipe threads.
Drill pipe tool joints	20121507	GXV0	Good	Drill pipe tool joints are component parts of conventional drilling tools.

Drill pipe	20121508	G05H	Good	Tubular steel conduit fitted with special threaded ends called tool joints.
Gauge rings	20121509	G3AR	Good	A precisely machined test device, typically fabricated from steel or similar durable material, having a specified internal or external diameter.
Hole openers	20121510	GJRW	Good	Fixed diameter tool that is commonly used in drilling larger top hole sections where there are no restrictions.
Hole reamers	20121511	GLEY	Good	Used to enlarge hole for running casing or other completion equipment.
Downhole shock absorbers	20121513	GWRA	Good	Used in perforating and other ballistics operations where shock protection for more sensitive tool-string elements are required.
Downhole stabilizers	20121514	GZQD	Good	Used in the bottomhole assembly of the drill string. It mechanically stabilizes the downhole assembly in the borehole in order to avoid sidetracking and vibrations.
Drilling subs	20121515	GENT	Good	Any small component of the drill string, such as a short drill collar or a thread crossover.
Thrusters	20121516	GND6	Good	Thrusters are component parts of conventional drilling tools.
Wellbore hole reamer parts and accessories	20121517	G16M	Good	Component parts and accessories of a device used to enlarge the size of an existing borehole in oilfield operations.
Rotating control head	20121518	GVN8	Good	A sealing device used to close off the annular space around the kelly in drilling with pressure at the surface, usually installed above the main blowout preventer.
Rotating control head parts and accessories	20121519	G292	Good	Parts and accessories for a sealing device used to close off the annular space around the kelly in drilling with pressure at the surface, usually installed above the main blowout preventer.
Blowout preventer parts and accessories	20121520	G60B	Good	Parts and accessories for a type of valve installed at the wellhead to prevent the escape of pressure either in the annular space between the casing and drill pipe or in open hole (i.e., hole with no drill pipe) during drilling completion operations.

Downhole shock absorber parts and accessories	20121521	GHY8	Good	Parts and accessories for an apparatus that absorbs shock downhole in a wellbore.
Casing scraper parts and accessories	20121522	G810	Good	Parts and accessories for a tool that is forced through a pipeline or flow line to clean out accumulations of wax, scale, and debris from the walls of the casing pipe.
Drilling jar	20121523	G1J2	Good	A mechanical device used downhole to deliver an impact load to another downhole component, especially when that component is stuck. There are two primary types, hydraulic and mechanical jars.
Drilling jar parts and accessories	20121524	GH40	Good	Parts and accessories for a mechanical device used downhole to deliver an impact load to another downhole component.
Drilling bits	201216	GW87	Good	The tool used to crush or cut rock. Everything on a drilling rig directly or indirectly assists the bit in crushing or cutting the rock.
Fixed cutter drill bits	20121601	GJ03	Good	A drilling tool that uses polycrystalline diamond compact (PDC) cutters to shear rock with a continuous scraping motion. These cutters are synthetic diamond disks about 1/8-in. thick and about 1/2 to 1 inch in diameter.
Natural diamond drill bits	20121602	GRAQ	Good	A tool for drilling rock that works by scraping industrial grade diamonds against the bottom of the hole. The diamonds are embedded into the metal structure (usually a sintered or powdered carbide base matrix) during the manufacture of the bit.
Nozzle drill bits	20121603	GOS1	Good	The part of the bit that includes a hole or opening for drilling fluid to exit. The hole is usually small and the pressure of the fluid inside the bit is usually high, leading to a high exit velocity through the nozzles.
PDC bits	20121604	GWY	Good	A drilling tool that uses polycrystalline diamond compact (PDC) cutters to shear rock with a continuous scraping motion. These cutters are synthetic diamond disks about 1/8 inch thick and about 1/2 inch to 1 inch in diameter.

Roller cone button insert drill bits	20121605	GMJQ	Good	A tool designed to crush rock efficiently while incurring a minimal amount of wear on the cutting surfaces. Invented by Howard Hughes, the roller-cone bit has conical cutters or cones that have spiked teeth around them.
Roller steel tooth drill bits	20121606	GG2I	Good	Equipment typically used for drilling relatively soft formations.
Core bits	20121607	GOXB	Good	A hollow bit that cuts through the formation. It creates and captures a solid cylinder of rock that can be brought to the surface as a single piece.
Bit block	20121608	G81W	Good	Device attached to a mining machine to support a mining bit which fits into the block. Used in underground mining.
Continuous mining bit	20121609	G3I6	Good	Cutter head bit used in underground mining on continuous mining machine systems.
Feeder bit	20121610	GSAP	Good	Used in underground mining on feeder machines for crushing coal being sent to belt.
Longwall bit	20121611	GSA9	Good	Type of bit used on longwall mining machines for underground coal mining.
Roof drill bit	20121612	GU56	Good	Type of bit used to drill in roof of coal mine for installation of roof bolts.
Drill bit accessories	20121613	GHL1	Good	Miscellaneous bits and accessories used in mining operations. Includes collars, clips, pins.
Fishing tools	201217	G3TP	Good	Mechanical devices used to aid the recovery of equipment lost downhole. These devices generally fall into four classes: diagnostic, inside grappling, outside grappling, and force intensifiers or jars.
Bumper subs	20121701	GO82	Good	Equipment used to bump up or down until fishing objectives are met and can be used in all types of fishing activities.
Casing patches	20121702	G9OP	Good	A downhole assembly or tool system used in the remedial repair of casing damage, corrosion or leaks. Most frequently used as short- to medium-term repairs that enable production to be resumed until a major workover operation is scheduled.

Jar boosters	20121703	G43M	Good	A mechanical device used downhole to deliver an impact load to another downhole component, especially when that component is stuck. There are two primary types, hydraulic and mechanical jars.
Junk subs	20121704	GX3V	Good	A downhole tool with a profiled external surface designed to catch and retrieve junk or debris from the wellbore. The debris is carried up the tool-string annulus in the circulation fluid.
Mills or burning shoes	20121705	G7NG	Good	A downhole tool routinely used in fishing operations to prepare the top and outside surface of a fish, generally to allow an overshot or similar fishing tool to engage cleanly on the fish.
Overshots	20121706	GKZ9	Good	A downhole tool used in fishing operations to engage on the outside surface of a tube or tool. A grapple, or similar slip mechanism, on the overshot grips the fish, allowing application of tensile force and jarring action.
Oilfield fishing spears	20121707	GSG4	Good	Tool used to recover lost pipe. Fits within the pipe and then grips the pipe from the inside.
Unspecified fishing tools	20121708	G715	Good	Component parts of unspecified fishing tools.
Fishing wash pipe and extension	20121709	GD6S	Good	A short length of surface-hardened pipe that fits inside the swivel and serves as a conduit for drilling fluid through the swivel used in oil well fishing operations.
Overshot extension	20121710	G0YL	Good	A fishing tool that is attached to tubing or drill pipe and lowered over the outside wall of pipe or sucker rods lost or stuck in the wellbore.
Fishing sub	20121711	GWBC	Good	Short length of pipe used in oil well fishing operations.
Casing patch parts and accessories	20121712	G778	Good	Parts and accessories used in patching of casing.
Wash pipe drive bushing	20121713	GQD8	Good	Component used in wash pipe which supports swivel actions.
Fishing impression block	20121714	GZC4	Good	A block with lead or another relatively soft material on its bottom used in fishing operations.
Wireline system fishing kit	20121715	G7MJ	Good	Kit used in fishing operations in wireline system.
Junk basket parts and accessories	20121716	GARE	Good	Parts and accessories associated with junk baskets.

Overshot grapple	20121717	G37A	Good	A mechanism that is fitted into an overshot to grasp and retrieve fish from the borehole.
Overshot control	20121718	G903	Good	Lever for adjusting an overshot grapple.
Overshot packer	20121719	G3TV	Good	Special sealing element in overshot tool.
Overshot parts and accessories	20121720	GF9A	Good	Parts and accessories for a fishing tool that is attached to tubing or drill pipe and lowered over the outside wall of pipe or sucker rods lost or stuck in the wellbore.
Fishing magnet	20121721	G1YK	Good	A powerful permanent magnet designed to recover metallic objects lost in a well.
Taper tap	20121722	G0A5	Good	A tap with a gradually decreasing diameter from the top. It is used to retrieve a hollow fish in oilfield downhole operations.
Fishing spear grapple	20121723	GZY6	Good	An inside grappling device for oilfield downhole fishing operations that has a tapered and threaded profile.
Fishing spear parts and accessories	20121724	GEXX	Good	Parts and accessories for an inside grappling device for oilfield downhole fishing operations that has a tapered and threaded profile.
Casing cutter	20121725	G1AD	Good	Heavy cylindrical apparatus bearing knives, and run on a string of tubing or drill pipe into a well, to perform cutting on the inner walls of a pipe through rotation, thus freeing a pipe section.
Box tap	20121726	G153	Good	External type of downhole fishing tool used in oil well drilling operations.
Junk basket	20121727	GL0J	Good	Basket inside overshot which is used for collecting debris or metal particles during downhole fishing operations.
Fishing jar	20121728	GO14	Good	A mechanical device used downhole to deliver an impact load to another downhole component used in fishing operations.
Directional drilling equipment	201218	GQJ0	Good	Devices used in the intentional deviation of a wellbore from the path it would naturally take.

Geosteering tools	20121801	G6KF	Good	Devices used in the intentional directional control of a well based on the results of downhole geological logging measurements rather than three-dimensional targets in space, usually to keep a directional wellbore within a pay zone.
Mud motors	20121802	GWHM	Good	A positive displacement drilling motor that uses hydraulic horsepower of the drilling fluid to drive the drill bit. Mud motors are used extensively in directional drilling operations.
Rotary steerable tools	20121803	G185	Good	A tool designed to drill directionally with continuous rotation from the surface, eliminating the need to slide a steerable motor.
Directional drilling surface control systems	20121804	G66L	Good	Directional drilling surface control systems are component parts of directional drilling equipment.
Straight hole directional drilling tools	20121805	G2S0	Good	Straight hole directional drilling tools are component parts of directional drilling equipment.
Logging while drilling tools LWD	20121806	GNH0	Good	Measurement of formation properties during the excavation of the hole, or shortly thereafter through the use of tools integrated into the bottomhole assembly.
Logging while drilling tools LWD parts and accessories	20121807	GCMF	Good	Parts of tools and tool accessories used in the logging while drilling.
Directional drilling stabilizer	20121808	G680	Good	A device used to stabilize the drill string during drilling operations especially in directional drilling.
Rotary steerable tools parts and accessories	20121809	GCTZ	Good	Parts and accessories for rotary steerable tools used in directional drilling.
Directional drilling sub	20121810	GH07	Good	Short length of pipe having swivel action used in directional drilling.
Directional drilling thruster	20121811	GQTA	Good	Equipment having a small propulsive ability used in directional drilling.
Directional drilling drill collar	20121812	GRFU	Good	Drill collar with swivel action ability used in directional drilling.
Mud motor parts and accessories	20121813	G274	Good	Parts and accessories used by mud motors.
Well measurement and logging equipment	201219	G2A6	Good	A device used to show a record of some acoustic property of the formation or borehole. The term is sometimes used to refer specifically to the sonic log, in the sense of the formation compressional slowness.

Acoustic tools	20121901	G51Z	Good	A display of travel time of acoustic waves versus depth in a well. The term is commonly used as a synonym for a sonic log. Some acoustic logs display velocity.
Drilling or mud control instruments	20121902	G14Q	Good	Drilling or mud control instruments are component parts of well measurement of logging equipment.
Drilling performance measurement tools	20121903	GNM4	Good	Drilling performance measurement tools are component parts of well measurement of logging equipment.
Flow measurement equipment	20121904	G06K	Good	Flow measurement equipment is a component part of well measurement of logging equipment.
Nuclear magnetic resonance tools	20121905	GHA1	Good	Device which produces measurement of the nuclear magnetic resonance (NMR) properties of hydrogen in the formation.
Nuclear tools	20121906	GAX7	Good	Nuclear tools are component parts of well measurement of logging equipment.
Production logging equipment	20121907	G120	Good	The downhole hardware needed to make a log. Measurements-while-drilling (MWD) logging tools, in some cases known as logging while drilling (LWD) tools, are drill collars into which the necessary sensors and electronics have been built.
Resistivity tools	20121908	G68Z	Good	Devices that measure the ability of a material to resist electrical conduction. It is the inverse of conductivity and is measured in ohm-m. The resistivity is a property of the material, whereas the resistance also depends on the volume measured.
Surveying systems	20121909	G86U	Good	Devices used to record a measurement versus depth or time, or both, of one or more physical quantities in or around a well.
Telemetry systems	20121910	GLDQ	Good	A system for converting the measurements recorded by a wireline or measurements-while-drilling (MWD) tool into a suitable form for transmission to the surface.
Ultrasonic tools	20121911	G36N	Good	Ultrasonic tools are component parts of well measurement of logging equipment.

Well logging bottom hole pressure equipment	20121912	G7LZ	Good	Well logging bottomhole pressure equipment is a component part of well measurement of logging equipment.
Well logging downhole test equipment	20121913	G883	Good	Well logging downhole test equipment is a component part of well measurement of logging equipment.
Well logging units	20121914	G2H0	Good	The cabin that contains the surface hardware needed to make wireline logging measurements. The logging unit contains at the minimum the surface instrumentation, a winch, a depth recording system and a data recorder.
Bulk density log	20121915	GG7K	Good	Device used for measuring the bulk density of the formation in oilfield operations.
Optical sensing downhole cable	20121916	G943	Good	Special type of cable used in optical sensing wellbore ( downhole ) operations in oil well drilling.
Optical sensing mandrel and accessories	20121917	GQ7N	Good	Short length of pipe and accessories used in optical sensing operations.
Optical sensing surface cable	20121918	G3IC	Good	Specialized cable used in surface level oilfield optical sensing operations.
Casing inspection tool and accessories	20121919	GEK6	Good	Device and accessories used for inspecting casing in oilfield operations.
Freepoint indicator tool and accessories	20121920	GV5G	Good	A device run on wireline into the wellbore and inside the fishing string and fish to locate the area where a fish is stuck.
Radiation survey meter	20121921	GP09	Good	A meter used for survey of radiation effect or radiations process in oilfield.
Gamma ray tool parts and accessories	20121922	G0ML	Good	Parts for tool used for measurement of naturally occurring gamma rays in wellbore.
Well imaging tool and parts	20121923	GW5S	Good	Device used for getting better analysis and information from the wellbore.
Fixturing and test equipment	201220	G5TR	Good	Component parts of fixturing and test equipment.
Drift bars	20122001	GJ1F	Good	Drift bars are component parts of fixturing and test equipment.
Drift sleeves	20122002	GV9I	Good	Used to shut off flow from one or more reservoir zones or to regulate pressure between zones.

Drift rabbits	20122003	G0W3	Good	Internal drift diameter gauge typically used to check casing or tubing joints before they are picked up and run into the wellbore. The drift diameter used depends on the size and weight of the tubular being checked.
Test fixtures	20122004	G558	Good	Test fixtures are component parts of fixturing and test equipment.
Test nipples	20122005	GUBD	Good	Test nipples are component parts of fixturing and test equipment.
Test plugs	20122006	G2HU	Good	Test plugs are component parts of fixturing and test equipment.
Perforating equipment	201221	G701	Good	Equipment used in the perforation of geological formations for the purpose of mineral extraction.
Capsule guns	20122101	G18S	Good	An exposed gun system used primarily in wireline operations. This gun system has shaped charges that are housed in individual pressure-tight capsules mounted on a metal strip, which is lowered into the well.
Casing guns	20122102	G21M	Good	A perforating gun assembly designed to be used in a wellbore before the production tubulars or completion equipment have been installed. Typically 3- to 5-in. in diameter and carry up to four perforating charges per foot.
Deployment heads	20122103	G6N8	Good	Deployment heads are component parts of perforating equipment.
Perforating explosives	20122104	GEUM	Good	Explosive shaped charges that are detonated to create tunnels that act as conduits through which reservoir fluids flow from the formation, into the wellbore and up to the surface.
Firing heads	20122105	GRMA	Good	A mechanical or electronic device used to detonate perforating charges conveyed by tubing, drill pipe, coiled tubing or slickline. This term thus connotes any such device that is not initiated electrically from surface by wireline.
Gun adapters	20122106	GWWW	Good	Gun adapters are component parts of perforating equipment.
High shot density guns	20122107	GTJF	Good	A perforating gun having more than four shots per foot. In addition to providing a greater number of perforations, a high-shot density gun also improves the phasing, or distribution of perforations, around the wellbore.

Perforating bull plugs	20122108	GMQH	Good	A solid plug used as an isolation device in piping systems, conduits or wellbore tubulars.
Plug setting tools	20122109	GSWG	Good	A tool or device that is used in the placement or setting of downhole equipment, such as permanent plugs.
Perforating positioning equipment	20122110	G2QK	Good	Perforating positioning equipment is a component part of perforating equipment.
Scalloped guns	20122111	G357	Good	A perforating gun with a recess profile in the perforating gun body adjacent to the shaped charge.
Tandem subs	20122112	G1PB	Good	Devices used to connect perforating guns in a wireline tool string.
Through tubing perforation gun accessories	20122113	GRB2	Good	Parts and attachments for a perforating gun assembly designed to run through the restricted clearance of production tubing, then operate effectively within the larger diameter of the casing or liner below.
Through tubing perforation guns	20122114	G48I	Good	A perforating gun assembly designed to run through the restricted clearance of production tubing, then operate effectively within the larger diameter of the casing or liner below.
Under balance vent subs	20122115	G30R	Good	Devices used for providing underbalance condition between the annuls and tubing for tubing conveyed perforating operations.
Well testing equipment	201222	G25P	Good	Equipment used for executing a set of planned data acquisition activities to broaden the knowledge and understanding of hydrocarbons properties and characteristics of the underground reservoir where hydrocarbons are trapped.
Flare booms	20122201	G3IG	Good	A truss structure, which carries pipeline to connect the ship well test pipeline and burner, on the tip end. Designed as per AISC, IMO, ANSI, NACE and DNV standards.
Flare burners	20122202	GTN0	Good	An arrangement consisting of a vertical tower and burners used to burn combustible vapors. A flare is usually situated near a producing well or at a gas plant or refinery. A flare is also called a flare stack.

Cased hole test tools	20122203	GM1V	Good	Devices used to test the portion of the wellbore that has had metal casing placed and cemented to protect the open hole from fluids, pressures, wellbore stability problems or a combination of these.
Choke manifolds	20122204	G9XQ	Good	A set of high-pressure valves and associated piping, usually inc. at least two adjustable chokes, arranged so one adjustable choke may be isolated and taken out of service for repair & refurbishment while well flow is directed through the other one.
Diverting manifolds	20122205	G7A2	Good	A device used in managed pressure drilling operations to enable continuous circulation and hole cleaning even while making connections. It is used while either drilling or tripping in or out of the hole.
Flowhead baskets	20122206	G1UC	Good	A device for measuring in situ the velocity of fluid flow in a production or injection well in which the flow is diverted through the spinner by a set of metal vanes, or petals.
Flowhead swivels	20122207	GI95	Good	A device inserted between the master valve and the main valve block. It allows the subsurface equipment to be rotated with respect to the main flow head block.
Flowheads	20122208	G326	Good	A device that supports the test string and provides a means of surface well control when completing, testing, or performing live well intervention operations.
Formation shut in tools	20122209	GH91	Good	Formation shut in tools are component parts of well testing equipment.
Gas flares	20122210	GMCJ	Good	A vapor or gas that is burned through a pipe or burners.
Mud gas analyzers	20122211	GJO1	Good	A device used for testing characteristics and components of the drilling mud.
Oil samplers	20122212	GYXK	Good	A device used to extract a representative sample from the liquid flowing in a pipe.
Well testing separators	20122213	GKG7	Good	A pressure vessel used for separating well fluids produced from oil and gas wells into gaseous and liquid components.

Well testing surface piping	20122214	GPG9	Good	Another term for surface casing, a large-diameter, relatively low-pressure pipe string set in shallow yet competent formations for several reasons.
Surge tanks	20122215	G7NB	Good	A vessel placed in a flowline through which liquids or gases are flowed to neutralize sudden pressure surges.
Well testing downhole tools	20122216	G121	Good	Tools used in the bottomhole assembly, which is selected based on the reservoir formation characteristics. The tools can reduce the costs related to oil recovery-activities and ensure an increase in oil production.
Slickline equipment	201223	GXRG	Good	Devices and parts used with a thin nonelectric cable used for selective placement and retrieval of wellbore hardware, such as plugs, gauges and valves located in side pocket mandrels.
Slickline adapter heads	20122301	G3E1	Good	A short subassembly used to enable two components with different thread types or sizes to be connected.
Slickline backoffs	20122302	GPNC	Good	A process to unscrew drill string components downhole.
Slickline bell guides	20122303	G397	Good	A devices used when a pulling tool requires to be centralized in larger bores. It also assists with latching the device being pulled by "scooping" the fish neck into the pulling tool.
Slickline blind boxes	20122304	GR40	Good	A simple slickline tool used to dislodge or push tools or equipment down the wellbore. The blind box is generally of heavy construction and is hardened to reduce damage when jarring is required.
Slickline bottom hole pressure equipment	20122305	GZ30	Good	Device used to determine the pressure measured in a well at or near the depth of the producing formation.
Slickline caliper tools	20122306	GO53	Good	A device used in wireline operations to survey the wellbore or pipe to indicate caving or washout and internal corrosion.

Slickline cement dump bailing equipment	20122307	G211	Good	A wireline or slickline tool used to place small volumes of cement slurry, or similar material, in a wellbore. Typically, the slurry is placed on a plug or similar device that provides a stable platform for the low-volume cement plug.
Slickline chemical cutters	20122308	GQK6	Good	Downhole tools run on wireline to sever tubing at a predetermined point.
Slickline clamp on tool string centralizers	20122309	G101	Good	Used to fix around wire/cable and hold in order to prevent movement.
Slickline clamp on wireline centralizers	20122310	G3Y8	Good	A safety device attached to the slickline at surface between the hay pulley and stuffing-box pulley.
Slickline collar locators	20122311	GIV1	Good	A downhole tool or logging device used to detect and track (log) casing or tubing collars across a zone of interest, typically for correlation purposes.
Slickline collectors	20122312	GOZE	Good	The electrical device used on the axle of a spool or reel to provide electrical continuity between the rotating reel core and the stationary reel chassis.
Slickline colliding tools	20122313	GGMN	Good	Tools designed for fishing other wireline components, which may have been dropped down hole. All wireline tools are designed with 'fishing necks' on their top side, intended to be easily grabbed by pulling tools.
Slickline crossovers	20122314	GKT5	Good	A short subassembly used to enable two components with different thread types or sizes to be connected.
Slickline depth measurement equipment	20122315	G5U8	Good	A device used measuring both wireline depth and tension.
Slickline dewar flasks	20122316	G8ER	Good	A double wall container with minimum contact between the walls. The space between walls has a very high vacuum to prevent heat transfer by convection and conduction.
Slickline dipmeter tools	20122317	GQG9	Good	Wireline devices used to determine the dip of rock layers in a well. The dipmeter has 3, 4 or 6 arms with pads that are in contact with the rocks on the well walls as its bought up the well.

Slickline directional tools	20122318	GWG7	Good	The tools used for directional drilling of deviating a wellbore along a planned path to a target located a given lateral distance and direction from vertical. This includes drilling as vertically as possible from a given TVD.
Slickline go devil tools	20122319	G309	Good	A device used to create a base to cut the line from the rope socket when the top of the tool string is inaccessible.
Slickline hole punchers	20122320	GN37	Good	A special perforating gun, or charge, that is designed for limited penetration to allow an inner tubing or casing string to be perforated without damaging a surrounding outer string.
Slickline jet cutters	20122321	GVIU	Good	A downhole tool, generally run on wireline or coiled tubing, that uses the detonation of a shaped explosive charge to cut the surrounding tubing or casing wall.
Slickline junk shots	20122322	G069	Good	A method to shut off a faulty blowout preventer (BOP) by injecting the BOP with material that will clog up the innards and result in a choking off of the hole.
Slickline kickover tools	20122323	GTPT	Good	Parts for wireline service tool used to install and retrieve flow control devices in downhole gas lift systems.
Slickline knuckle joints	20122324	GHNM	Good	A mechanical joint, is an articulation formed when two rods are joined together with comprehensive forces in which the projection of one fits into the other. A Knuckle Joint is made when there is a requirement for angular moment or flexibility.
Slickline lead impression blocks	20122325	G8NF	Good	A device used to take an impression of unknown objects within the tubing string. The impression definition helps the operator to select the appropriate tool for the next operation.
Slickline locator mandrels	20122326	GX4M	Good	Another term for lock, a downhole device, run and retrieved on slickline, that is placed and anchored within the tubing string to provide a setting point for flow-control equipment such as valves, chokes and plugs.

Slickline lock mandrels	20122327	G405	Good	Another term for lock, a downhole device, run and retrieved on slickline, that is placed and anchored within the tubing string to provide a setting point for flow-control equipment such as valves, chokes and plugs.
Slickline lubricators	20122328	G251	Good	A term initially applied to the assembly of pressure-control equipment used on slickline operations to house the tool string in preparation for running into the well or for retrieval of the tool string on completion of the operation.
Slickline mechanical bailers	20122329	GM00	Good	A cable drilling tool that is wrapped on a spool and used along with a bailer to help engineers to remove anything from a wellbore. A bailer is a container used to lift drill cuttings, water, sand and oil from a wellbore.
Slickline mechanical plugbacks	20122330	G4CB	Good	Tool used in rigless through-tubing recompletions.
Other slickline tools	20122331	G2JL	Good	Component parts or other devices used with a thin nonelectric cable used for selective placement and retrieval of wellbore hardware, such as plugs, gauges and valves located in side pocket mandrels.
Slickline paraffin scappers	20122332	GD4S	Good	A downhole tool, generally run on slickline, used to remove paraffin and soft wax deposits from the internal wall of production tubulars and completion equipment.
Slickline rope sockets	20122333	G063	Good	A device used for gripping the wire in under load during heavy jarring operations.
Slickline running or pulling prongs	20122334	G874	Good	A device used in conjunction with a X Line Running Tool to manipulate X equalizing assemblies.
Slickline severing tools	20122335	G7WO	Good	Tools used to sever drill collars and heavyweight drill pipe during pipe recovery operations.
Slickline sheaves or floor blocks	20122336	G374	Good	A pulley. In oilfield usage, the term usually refers to either the pulleys permanently mounted on the top of the rig (the crown blocks), or the pulleys used for running wireline tools into the wellbore.

Slickline pulling tool accessories	20122338	GV1K	Good	Components or parts of a slickline or coiled tubing tool used to retrieve temporary devices, such as plugs and flow-control equipment, from the wellbore.
Slickline pulling tools	20122339	GKT1	Good	A slickline or coiled tubing tool used to retrieve temporary devices, such as plugs and flow-control equipment, from the wellbore.
Slickline running tools	20122340	GG93	Good	A device that is used in the placement or setting of downhole equipment, such as permanent packers or plugs. The running tool can be retrieved after the operation or setting process.
Slickline units	20122341	G675	Good	Mounted units used for running a strong steel wire into and out of the well.
Slickline wire	20122342	G0N9	Good	A single-strand wireline used to run and retrieve tools and flow-control equipment in oil and gas wells.
Slickline sonic tools	20122343	GDH7	Good	A type of acoustic logging tool that uses a large number of receivers, typically 4 to 12. Modern acoustic logging tools are designed to measure not only the compressional wave but also the shear and other acoustic waves generated by the transmitter.
Slickline spacer bars	20122344	G5M4	Good	A device used for retrieving sub surface control devices.
Slickline swages	20122345	G7FU	Good	A threaded adapter used to connect a circulating line to a casing or tubing string.
Slickline tension devices	20122346	G0RZ	Good	A device which is used to produce stiffness or tension in a system.
Slickline tubing plugs	20122347	G343	Good	Used to hold differential pressure in the tubing string from above, below, or both. Used in both high and low pressure applications.
Slickline ultrasonic tools	20122348	G0QB	Good	Devices used for transmitting ultrasonic, sonic or acoustic waves in their functionality. Used to get seismic data from a reservoir, transfer data from remote locations to control rooms, and perform ultrasonic testing.
Wireline grabs	20122349	GMDB	Good	A fishing tool used for the retrieval of broken or cut slickline from the wellbore. Wireline grabs are intended to catch and engage wireline that has been bunched or nested in the wellbore.

Wireline jars	20122350	G2PJ	Good	A downhole tool that is used to impart a heavy blow or impact load to a downhole tool assembly. Used in fishing operations to free stuck objects, jars are available in a range of sizes and capacities to deliver upward or downward impact loads.
Wireline scrapers	20122351	GX0K	Good	Downhole tools incorporating a blade assembly that is used to remove scale and debris from the internal surface of a casing string.
Wireline spear	20122352	G4L4	Good	A fishing tool that uses barbs to engage and remove a wireline fish from a well.
Wireline stems	20122353	GGS4	Good	The weight bar used in slickline operations to overcome the effects of wellhead pressure and friction at the surface seal where the wire enters the wellbore.
Wireline valves	20122354	GUU6	Good	A type of safety valve that gives positive protection during well servicing operations.
Wireline preventers	20122356	GE1S	Good	A manually operated, ram type of closing element that is used to shut in a well around a wireline during wireline operations.
Wireline jar accelerators	20122357	G8IE	Good	A downhole tool used in conjunction with a jar to store energy that is suddenly released when the jar is activated.
Test dart	20122358	GOQH	Good	Special purpose dart used in testing with help of wireline equipment.
Slickline running tool parts and accessories	20122359	GZJ3	Good	Parts and accessories used in specialized tools used to run equipment in a well, such as a wireline running tool for installing retrievable gas lift valves.
Wireline broach	20122360	GAFC	Good	Downhole tool used to repair the internal diameter of the production tubing used by wireline process.
Standing valve	20122361	G89R	Good	Downhole valve assembly that is designed to hold pressure from above while allowing fluids to flow from below.
Wireline bell guide	20122362	GJQ3	Good	A flared-end sub run on the end of the tubing string to permit easy access of wireline tools into the tubing.
Wire finder	20122363	G3WJ	Good	An oilfield downhole fishing tool used for the retrieval of broken or cut slickline from the wellbore.

Wireline tool string	20122364	G5A3	Good	A wireline device in oilfield operations that can be dozens of feet long with multiple separate tools installed to perform multiple downhole operations at once.
Slickline centralizer parts and accessories	20122365	GL75	Good	Parts and accessories used in slickline centralizer which help to centralize the wireline tool string.
Magnetic decentralizer	20122366	GPH3	Good	A type of slickline centralizer with magnetic ability.
Wireline pulling tool	20122367	G970	Good	Tool used to pull wireline device or equipment in wellbore.
Wireline mandrel	20122368	GEIH	Good	Short length of pipe used in wireline operations.
Wireline setting tool	20122369	GB31	Good	Tool used for setting or placing wireline accessories in wellbore.
Wireline crossover	20122370	G3P1	Good	Short pipe having different sizes and profile in opposite end used in wireline.
Slickline centralizer	20122371	G788	Good	Centralizers specially Used in Slickline Activity.
Wireline swivel joint	20122372	GJT6	Good	Intermediate connector having swivel action in wireline equipment.
Slickline kickover tool parts and accessories	20122373	G5HV	Good	Parts and accessories for wireline service tool used to install and retrieve flow control devices in downhole gas lift systems.
Production systems equipment	201224	G0ET	Good	Equipment and devices used in oil production operations including surface and downhole processes.
Cable thumpers	20122401	G0QE	Good	Devices used for locating and pin pointing cable fault locations in water damaged cable joints.
Oilfield production evaporators	20122402	G816	Good	Devices used for treating oilfield produced water from enhanced oil recovery operations, such as SAGD and CSS.
Hipot testers	20122403	G1KM	Good	Electrical safety testing instruments used to verify electrical insulation in finished appliances, cables or other wired assemblies, printed circuit boards, electric motors, and transformers.
Oilfield lapping machines	20122404	G102	Good	Equipment used for repairing leaking valves preventing the need to dismantle and remove defective valves from the pipeline.

Motor end lifts	20122405	GN7Z	Good	Mechanical equipment used for lifting of wellbore fluids to the surface. Mechanical lifting of wellbore fluids is required when reservoir pressure is insufficient to drive reservoir fluids to the surface.
Oil dielectric testers	20122406	GW6K	Good	A device used to test and verify the performance headroom of the insulation, ensuring that the insulation will not fail because of insulation degradation from aging, moisture, wear due to vibration, or other causes.
Oil vacuum filling units	20122407	GI1X	Good	Oil vacuum filling units are component parts of production systems equipment.
Oilfield production shaft straighteners	20122408	G463	Good	Devices used for straightening of shafts, racks and pinions distorted during heat treatment.
Oilfield production spoolers	20122409	GTYH	Good	A device used to handle and temporarily store a coiled tubing string.
Vibration analyzers	20122410	GCFG	Good	A device used to measure vibrations for the preventative maintenance of production machinery oscillations in machines and installations as well as in tools or components. A vibration analyzer also is used to assess a machine's axis of rotation.
Coiled tubing equipment	201225	G8YC	Good	Devices used to inject and retrieve a continuous string of tubing concentric to larger-inside diameter (ID) production tubing or casing strings.
Blaster tools	20122501	GR6H	Good	Devices used to remove scale by vibrating the head against and pumping high pressure chemicals/water through the coil tubing and the blaster head nozzle.
Coiled tubing truck crane units	20122502	G081	Good	The package of equipment required to run a coiled tubing operation.
Coiled tubing units	20122503	GM58	Good	A long, continuous length of pipe wound on a spool. The pipe is straightened prior to pushing into a wellbore and rewound to coil the pipe back onto the transport and storage spool.
Coiled tubing hose packages	20122504	GF55	Good	Coiled tubing hose packages are component parts of coiled tubing equipment.

Coiled tubing inflatable systems	20122505	GP4C	Good	A type of packer that uses an inflatable bladder to expand the packer element against the casing or wellbore.
Coiled tubing injector heads	20122506	GG06	Good	One of the principal equipment components of a coiled tubing unit. It incorporates chain assemblies to grip the coiled tubing string & a hydraulic drive system that provides the tractive effort for running and retrieving the string from the wellbore.
Coiled tubing lifting equipment	20122507	GW78	Good	Lifting devices used when performing coiled tubing operations from a semisubmersible rig or drillship.
Operator houses	20122508	GGWF	Good	Operator houses are component parts of coiled tubing equipment.
Coiled tubing power packs	20122509	G7JP	Good	Units used for supplying power to the coiled tubing systems.
Coiled tubing reels	20122510	GJ89	Good	Another term for coiled tubing, a long, continuous length of pipe wound on a spool. The pipe is straightened prior to pushing into a wellbore and rewound to coil the pipe back onto the transport and storage spool.
Coiled tubing spooling reels	20122511	G231	Good	A device used to handle and temporarily store a coiled tubing string. Spoolers generally are configured with a removable drum that allows transport spools to be inserted, allowing a new string to be spooled onto a reel.
Tubing guides	20122512	GWZ8	Good	Device used to grip the continuous-length tubing and provide the forces needed for deployment and retrieval of the tube into and out of the wellbore.
Wellhead hookups	20122513	G387	Good	Well hookups connect the wellhead to the processing equipment used to separate oil and gas before it goes into the tank batteries or through the meter run to a midstream company.
Wellhead support structures	20122514	GF3X	Good	A support structure used to reinstate needed structural integrity of 'fatigue-tiered' wells or strengthen wells not designed for modern, heavy BOP loads. A post-drill installed structure, for provision of lateral and axial well conductor support.

Oilfield coiled tubing	20122515	GAPF	Good	A long, continuous length of pipe wound on a spool.
Coiled tubing tool string	20122516	GKP2	Good	A continuous length of low-alloy carbon-steel tubing that can be spooled on a reel for transport, then deployed into a wellbore for the placement of fluids or manipulation of tools during workover and well-intervention operations.
Coiled tubing centralizer	20122518	G92L	Good	Device that minimizes the natural curvature of the coiled tubing tool string, allowing the smooth passage of wireline tools, or other equipment through the ID of the coiled tubing.
Seismic equipment	201226	GPV0	Good	Devices pertaining to waves of elastic energy, such as that transmitted by P-waves and S-waves, in the frequency range of approximately 1 to 100 Hz.
Seismic analog sensors	20122601	G450	Good	Devices used to monitor, process and record the field seismic data from remote sites. The electrical signal produced by the short period seismometer (seismic sensor) in response to ground motion is fed directly to the portable analog recorder.
Seismic arrays	20122602	GU3Y	Good	The seismic data recorded through an arrangement or configuration of electrodes or antennas used for resistivity, induced polarization (IP), or other types of electromagnetic surveying.
Seismic streamer cable birds	20122603	GW15	Good	A device containing a magnetometer and possibly other instruments that can be towed by an aircraft during aeromagnetic surveying or in a marine seismic streamer to provide dynamic information about the streamer position.
Seismic drill tankers	20122604	GX4V	Good	Seismic drill tankers are component parts of seismic equipment.
Seismic geophones	20122605	G8H0	Good	A device used in surface seismic acquisition, both onshore and on the seabed offshore, that detects ground velocity produced by seismic waves and transforms the motion into electrical impulses.
Seismic gravity systems	20122606	G12Y	Good	Seismic gravity systems are component parts of seismic equipment.

Seismic gun winch systems	20122607	GXAE	Good	Seismic gun winch systems are component parts of seismic equipment.
Seismic hydrophones	20122608	G42I	Good	A device designed for use in detecting seismic energy in the form of pressure changes under water during marine seismic acquisition.
Seismic impulse sources	20122609	G3C2	Good	A device that generates controlled seismic energy used to perform both reflection and refraction seismic surveys. A seismic source can be simple, such as dynamite, or it can use more sophisticated technology, such as a specialized air gun.
Seismic marine streamer cables	20122610	G7LA	Good	A plurality of sensor arrays are mounted in a streamer cable. The sensors within each array are distributed over an elongated two-dimensional vertical plane.
Seismic ocean bottom cables	20122611	G855	Good	assembly of vertically oriented geophones and hydrophones connected by electrical wires and deployed on the seafloor to record and relay data to a seismic recording vessel.
Seismic magnetic systems	20122612	G115	Good	Magnetic devices used for surveying seismic reflection, seismic refraction, magnetic, gravity, gas sniffer, coring, or other systems to detect or imply the presence of oil, gas, or sulphur in commercial quantities
Seismic positioning equipment	20122613	G1CF	Good	A seismic navigation and positioning system is used to accurately deploy equipment for surface seismic applications, particularly in shallow water and transition zone environments.
Seismic rams	20122614	GW6S	Good	A seismic survey system having remote acquisition modules (RAMs) for acquiring seismic signals and communicating with a CRU via a network of cables, other RAMs, and line tap units (LTUs), arranged in a matrix of receiver lines and base lines.
Seismic receivers	20122615	G8E1	Good	A device that detects seismic energy in the form of ground motion or a pressure wave in fluid and transforms it to an electrical impulse.

Seismic refraction systems	20122616	G9RT	Good	A device used as a seismic acquisition method in which the incident and reflected angles are critical. These refraction surveys can be useful for evaluating increasing velocity gradients and locating features that have anomalously high velocities.
Seismic source controllers	20122617	G8O1	Good	A device used to as a part of seismic source that generates controlled seismic energy used to perform both reflection and refraction seismic surveys.
Seismic spooling devices	20122618	G94O	Good	A device used to handle and temporarily store a coiled tubing string.
Seismic tow blocks	20122619	GWGW	Good	Seismic tow blocks are component parts of seismic equipment.
Seismic tow points	20122620	GFN5	Good	Seismic tow points are component parts of seismic equipment.
Seismic vibrators	20122621	G1CR	Good	An adjustable mechanical source that delivers vibratory seismic energy to the Earth for acquisition of seismic data. Mounted on large trucks, vibrators are commonly used for acquisition of onshore seismic data.
Seismic recording systems	20122622	GRSN	Good	Devices used to record traces from a single shot point. Numerous seismic records are displayed together in a single seismic section.
Seismic data processing systems	20122623	G7TC	Good	Devices used in alteration of seismic data to suppress noise, enhance signal and migrate seismic events to the appropriate location in space.
Oil country tubular goods	201227	G264	Good	Tubes that are used in oil and gas production, including drill pipe, casing and tubing.
Oil country casing	20122701	GCQD	Good	Large-diameter pipe lowered into an open hole and cemented in place.
Oil country couplings	20122702	G19K	Good	A device used in oil and gas production that joins parts of systems and can affect the interaction of, or energy transfer between, parts of systems.
Oil country pup joints	20122703	G872	Good	Pup Joints are short drill pipe used to adjust the length of the drill string and are available in standard lengths of 5', 10', 15', 20' and can be ordered to match other drill pipe dimensions.

Oil country tubing	20122704	G454	Good	Oil country tubular goods (OCTG) is a family of seamless rolled products consisting of drill pipe, casing and tubing subjected to loading conditions according to their specific application.
Oil country pipe coatings	20122705	GD80	Good	A protective lining that helps save pipelines from the damaging effects of corrosion.
Conductor casing	20122706	GB8J	Good	The casing string that is usually put into the well first, particularly on land wells, to prevent the sides of the hole from caving into the wellbore.
Conductor casing running equipment	20122707	GCII	Good	Devices used for running conductor casing which provides structural support for the well, wellhead and completion equipment, and often used for hole stability for initial drilling operations.
Drill pipe crossovers	20122708	GZ4V	Good	A short subassembly used to enable two components with different thread types or sizes to be connected.
Oil country thread protectors	20122709	GLPX	Good	Used to protect threads on drill string and casing components. Thread protectors prevent harmful impacts and other contact to the metal thread surfaces.
Casing stop device	20122710	GLV8	Good	Device used for protector and seal thread during casing running operations.
Drilling and workover rigs and equipment	201228	GE9R	Good	Devices used in oil well intervention involving invasive techniques, such as wireline, coiled tubing or snubbing.
Mud agitators	20122801	GPF2	Good	A devices used in surface mud systems to suspend solids and maintain homogeneous mixture throughout the system.
Mud tanks	20122802	GJ8T	Good	A tank made from steel and has an open top, which makes it an ideal container for the storage of drilling fluids.
Air drilling equipment	20122803	GT2A	Good	Devices used in a drilling technique whereby gases (typically compressed air or nitrogen) are used to cool the drill bit and lift cuttings out of the wellbore, instead of the more conventional use of liquids.

Barge rigs	20122804	GLXL	Good	A rig is designed to work in shallow water (less than 20 ft. deep). The rig is floated to the drill site, and the lower hull is sunk to rest on the sea bottom.
Fluid diverters	20122806	GC3I	Good	A chemical agent or mechanical device used in injection treatments, such as matrix stimulation, to ensure a uniform distribution of treatment fluid across the treatment interval.
Draw works	20122807	G381	Good	The machine on the rig consisting of a large-diameter steel spool, brakes, a power source and auxiliary devices. The primary function of the draw works is to reel out and reel in the drilling line, a large diameter wire rope, in a controlled fashion.
Drill floor equipment	20122808	GQ3Z	Good	Equipment mounted on the elevated, flat, steel surface on which the derrick or mast drawdown test. It is supported by the bottom-hole pressure; then the pressure change as a well is put on substructure.
Drill swivels	20122809	G40I	Good	A mechanical device that suspends the weight of the drill string.
Drilling rig ships	20122810	GYWM	Good	A maritime vessel modified to include a drilling rig and special station-keeping equipment. The vessel is typically capable of operating in deep water.
Drill rig elevators	20122811	GUS4	Good	A hinged mechanism that may be closed around drill pipe or other drill string components to facilitate lowering them into the wellbore or lifting them out of the wellbore.
Drill rig bails	20122812	GKA9	Good	A long cylindrical container, fitted with a valve at its lower end, used to remove water, sand, mud, or oil from a well.
Hydraulic workover units	20122813	GUIS	Good	The units used to perform hydraulic workover functions and various workover operations.
Drill rig jacking systems	20122814	G964	Good	The self-elevating units that are type of mobile platform consisting of a buoyant hull fitted with a number of movable legs, capable of raising its hull over the surface of the sea.

Jackup marine drilling rigs	20122815	G906	Good	A self-contained combination drilling rig and floating barge, fitted with long support legs that can be raised or lowered independently of each other.
Kelly bushings	20122816	GAY9	Good	An adapter that serves to connect the rotary table to the kelly. The kelly bushing has an inside diameter profile that matches that of the kelly, usually square or hexagonal.
Kelly valves	20122817	G1G7	Good	The devices also called Full Opening Safety Valve (FOSV), which can be used as a drill pipe safety valve, Upper Kelly Valve, or Lower Kelly Valve.
Kelly wipers	20122818	GBDE	Good	Devices installed on the external side of a cylinder head to prevent fluid contaminants and dirt particles from entering the reciprocating shaft mechanism.
Kellys	20122819	GWXS	Good	A long square or hexagonal steel bar w/ a hole drilled through the middle for a fluid path. Used to transmit rotary motion from the rotary table or kelly bushing to the drill string, allowing the drill string to be lowered or raised during rotation.
Land drilling rigs	20122820	GM21	Good	The machine used to drill a wellbore.
Mud cleaning equipment	20122821	GCVB	Good	A cone-shaped device designed to remove very fine solid particles from the drilling mud.
Mud manifolds	20122822	GNBI	Good	An arrangement of piping or valves designed to control, distribute and typically monitor fluid flow.
Mud mixers	20122823	G0T2	Good	A vessel and mixing system used to prepare treatment fluids.
Pipe handling equipment	20122824	G3JO	Good	A device used for guiding horizontal and vertical drill rods.
Platform drilling rigs	20122825	G70I	Good	A type of rig that is located on a fixed structure previously installed at the well location. This structure may be a fixed jacketed platform, spar, tension leg platform (TLP), or gravity structure; whatever it is, the rig sits atop it.
Power swivel or top drives	20122826	GSIE	Good	A mechanical device that suspends the weight of and turns the drill string.

Rig skids	20122827	G6Z4	Good	A steel frame on which portable equipment is mounted to facilitate handling with cranes or flatbed trucks.
Drill rig risers	20122828	GAS9	Good	A large-diameter pipe that connects the subsea BOP stack to a floating surface rig to take mud returns to the surface.
Drill rig rotary tables	20122829	G0B7	Good	The revolving or spinning section of the drill floor that provides power to turn the drill string in a clockwise direction.
Self elevating workover platforms	20122830	G4L8	Good	A self-propelled, self-elevating vessel with a relatively large open deck capable of carrying equipment and supplies in support of various offshore mineral exploration and production or offshore construction activities.
Semi submersible drilling rigs	20122831	GDX1	Good	A particular type of floating vessel, usually used as a mobile offshore drilling unit (MODU), that is supported primarily on large pontoon-like structures submerged below the sea surface.
Drill floor slips	20122832	GR5J	Good	A device used to grip and hold the upper part of a drill string to the drill floor on an oil rig. The slips are constructed as a collection of metal wedges, hinged together to form a circular shape around the drill pipe.
Makeup tongs	20122833	GMA0	Good	Large-capacity, self-locking wrenches used to grip drill string components and apply torque.
Iron roughnecks	20122834	GX17	Good	A piece of hydraulic machinery used to "handle" (connect and disconnect) segments of pipe in a drilling rig.
Traveling equipment	20122835	GV59	Good	A freely moving section of a block and tackle that contains a set of pulleys or sheaves through which the drill line (wire rope) is threaded or reeved and is opposite (and under) the crown block (the stationary section).
Workover boats	20122836	GM9L	Good	Self-propelled, self-elevating vessel with a relatively large open deck capable of carrying equipment and supplies in support of various offshore repair or stimulation of an existing production well.

Workover rigs	20122837	GW71	Good	The machine used to drill a wellbore in the repair or stimulation of an existing production well for the purpose of restoring, prolonging or enhancing the production of hydrocarbons.
Shale shakers	20122838	GQW6	Good	The primary device on the rig for removing drilled solids from the mud.
Mud degassers	20122839	GNJD	Good	A device that removes air or gases (methane, H <sub>2</sub> S, CO <sub>2</sub> and others) from drilling liquids.
Crown blocks	20122840	GO05	Good	The fixed set of pulleys (called sheaves) located at the top of the derrick or mast, over which the drilling line is threaded.
Traveling blocks	20122841	G9VS	Good	The set of sheaves that move up and down in the derrick.
Mud desanders	20122842	GBH3	Good	A hydro cyclone device that removes large drill solids from the whole mud system.
Mud dessilters	20122843	G6I5	Good	The hydro clone that is used to remove sand particles which have a grain size of 20 microns or less.
Power tongs	20122844	G383	Good	A mechanically powered wrench used to make up or break out a drill rod, casing, or pipe string.
Pipe handling equipment parts and accessories	20122845	G1OF	Good	Parts and accessories used in pipe handling equipment.
Stabbing board	20122846	G042	Good	A temporary platform erected in the derrick at an elevation of about 20 to 40 feet above the derrick floor. The derrickman or other crew members work on this board while casing is being run in a well.
Lift sub and plug	20122847	GM8K	Good	Short sub having lifting hook profile on the top which is used for lifting purpose with a thread in and out actions.
Horizontal makeup device or bucking unit parts and accessories	20122848	G348	Good	Parts and accessories for a device used to make up and buck up couplings on pipe lying in the horizontal position.
Well casing spider	20122849	GFHV	Good	Elongated device for lowering and raising of long strings of oil well casing.
Hydraulic power unit	20122851	G2YI	Good	Hydraulic power units provide pressurized flow to hydraulic motors, cylinders, and other hydraulic components.
Surface data logging equipment	201229	GLUI	Good	A device used for acquiring information and data on drilling support and formation evaluation.

Surface data logging conduits	20122901	GI5V	Good	Surface data logging conduits are component parts of surface data logging equipment.
Surface data logging sensors	20122902	GOKP	Good	Equipment used for gathering critical surface data during cuttings, drilling mud, and drilling parameters for hydrocarbon-associated phenomena.
Surface data logging units	20122903	G3F0	Good	Units serve as centers for collating and analyzing drilling parameters and geological data while drilling.
Multilateral equipment	201230	GNSN	Good	Multilateral equipment is a component part of oil and gas drilling and exploration equipment.
Multilateral casing	20123001	GTD7	Good	A large-diameter pipe lowered into an open hole and cemented in place. The well designer must design casing to withstand a variety of forces, such as collapse, burst, and tensile failure, as well as chemically aggressive brines.
Multilateral junctions	20123002	G046	Good	The systems which allow drilling and completion of multiple lateral boreholes within a single main bore. This allows for alternative well-construction strategies for vertical, inclined, horizontal, and extended-reach wells.
Multilateral packers	20123003	G1L1	Good	A piece of downhole equipment, consisting of a sealing device, a holding or setting device, and an inside passage for fluids, used to block the flow of fluids through the annular space between the tubing and the wall of the wellbore.
Multilateral packer parts and accessories	20123004	GV7X	Good	A piece of downhole equipment, consisting of a sealing device, a holding or setting device, and an inside passage for fluids, used to block the flow of fluids through the annular space between the tubing and the wall of the wellbore.
Oil and gas drilling and operation materials	2013	G0LZ	Good	Oil and gas drilling and operation materials
Drilling mud and materials	201310	GZT3	Good	Any of a number of liquid and gaseous fluids and mixtures of fluids and solids (as solid suspensions, mixtures and emulsions of liquids, gases and solids) used in operations to drill boreholes into the earth.

Filtration control agents	20131001	G4PG	Good	Devices used in the process of separating components of a slurry by leaving the suspended solids as filter cake on a filter medium while the liquid passes through.
Fluid spacers	20131002	G740	Good	Any liquid used to physically separate one special-purpose liquid from another.
Lost circulation agents	20131003	G8W4	Good	Agents used when there is a reduced or total absence of fluid flow up the annulus when fluid is pumped through the drill string.
Oil based muds	20131004	GRA0	Good	Oil based drilling fluid used in hydrocarbon drilling operations, especially fluids that contain significant amounts of suspended solids, emulsified water or oil.
Rate of penetration enhancers	20131005	GYYH	Good	Components used to enhance the speed at which the drill bit can break the rock under it and thus deepen the wellbore.
Spotting fluids	20131006	GB1E	Good	The small volume or pill of fluid placed in a wellbore annulus to free differentially stuck pipe. Oil-base mud is the traditional stuck-pipe spotting fluid. Speed in mixing and placing the spot is of primary importance to successfully freeing pipe.
Synthetic based muds	20131007	G804	Good	Nonaqueous, water-internal (invert) emulsion muds in which the external phase is a synthetic fluid rather than an oil.
Mud thinning agents	20131008	G3JR	Good	Another term for deflocculant, a thinning agent used to reduce viscosity or prevent flocculation.
Water based muds	20131009	GI7P	Good	A drilling fluid (mud) in which water or saltwater is the major liquid phase as well as the wetting (external) phase.
Mud weighting agents	20131010	GT4I	Good	Also known as weighting material, a high-specific gravity and finely divided solid material used to increase density of a drilling fluid.
Well fracturing proppants	201311	GV5K	Good	Sized particles mixed with fracturing fluid to hold fractures open after a hydraulic fracturing treatment.
Ceramic proppants	20131101	G612	Good	The solid material, typically sand, treated sand or man-made ceramic materials, designed to keep an induced hydraulic fracture open, during or following a fracturing treatment.

Fracturing sands	20131102	G2IB	Good	A high-purity quartz sand with very durable and very round grains. It is a crush-resistant material produced for use by the petroleum industry.
Resin coated ceramic proppants	20131103	G171	Good	The advanced resin coated proppants provide higher fracture flow capacity than uncoated bauxite, and minimize proppant flow back even under extreme conditions.
Resin coated fracturing sands	20131104	G402	Good	Solid materials, typically sand, treated sand or man-made ceramic materials, designed to keep an induced hydraulic fracture open, during or following a fracturing treatment.
Resin coated sintered bauxites	20131105	GID7	Good	Organic material having low solubility. Resins are usually large and complex polymeric molecules with noncrystalline structure and no distinct melting point or other definitive properties.
Sintered bauxites	20131106	GJ70	Good	Materials used with conventional abrasive blasting equipment air-compressed pressure and suction jet-blasting equipment.
Completion fluids	201312	G996	Good	A solids-free liquid used to "complete" an oil or gas well. This fluid is placed in the well to facilitate final operations prior to initiation of production
Divalent brines	20131201	G2P2	Good	Saline liquids usually used in completion operations and, increasingly, when penetrating a pay zone. Classes of brines include chloride brines (calcium and sodium), bromides and formates.
Monovalent brines	20131202	G1D8	Good	Saline liquids usually used in completion operations and, increasingly, when penetrating a pay zone. Brines are preferred because they have higher densities than fresh water but lack solid particles that might damage producible formations.
Oil well cement	201313	GWP2	Good	A material used for cementing work in the drilling of oil wells where they are subject to high temperatures and pressures. Usually consist of portland or pozzolanic cement with special organic retarders to prevent the cement from setting too quickly.

Oil well bulk cement	20131301	GTO3	Good	A material used for cementing work in the drilling of oil wells where they are subject to high temperatures and pressures. Usually consist of portland or pozzolanic cement with special organic retarders to prevent the cement from setting too quickly.
Oil well Class A Type I cement	20131302	G925	Good	A material for cementing work when special properties are not required.
Oil well Class B Type II cement	20131303	GGWY	Good	A material for cementing work when conditions require moderate or high sulfate resistance.
Oil well Class C cement	20131304	GJ1U	Good	A material for cementing work when conditions require high early strength.
Oil well Class G cement	20131305	G91V	Good	A material used for basic well cementing.
Oil well Class H cement	20131306	GGBB	Good	A material used for basic well cementing.
Oil well lightweight cement	20131307	GS5S	Good	Oil well lightweight cement is a component part of oil and gas drilling and operation materials.
Oil well standard fine Type III cement	20131308	GK6I	Good	Oil well standard fine type III cement is a component part of oil and gas drilling and operation materials.
Oil and gas operating and production equipment	2014	G7PL	Good	Oil and gas operating and production equipment
Wellhead equipment	201410	G4NW	Good	The system of spools, valves and assorted adapters that provide pressure control of a production well.
Wellhead actuators	20141001	G798	Good	Devices used during production, frac, shearing and wireline phases to remotely or automatically open or close valves for emergency shutdown of oil and gas flow, protecting equipment and personnel from over-pressurization.
Wellhead beam pumps	20141002	G0UX	Good	An artificial-lift pumping system using a surface power source to drive a downhole pump assembly
Wellhead flow lines	20141003	G1E3	Good	A surface pipeline carrying oil, gas or water that connects the wellhead to a manifold or to production facilities, such as heater-treaters and separators.

Wellhead gate valves	20141004	GZH9	Good	A type of valve that incorporates a sliding gate to block fluid flow. Completely open or close production for the well and provide controlled access to the well bore and casing annulus. Used throughout the drilling, completion and production phases.
Wellhead production chokes	20141005	G615	Good	A device incorporating an orifice that is used to control fluid flow rate or downstream system pressure.
Wellhead sub surface flow or christmas trees	20141006	GV07	Good	The set of valves, spools and fittings connected to the top of a well below the surface to direct and control the flow of formation fluids from the well.
Wellhead surface flow or christmas trees	20141007	GZ74	Good	The set of valves, spools and fittings connected to the top of a well to direct and control the flow of formation fluids from the well.
Wellhead surface safety valves	20141008	G9KM	Good	A quick-opening, pop-action valve used for fast relief of excessive pressure.
Tubing head adapter	20141011	GEAK	Good	A wellhead component that supports the tubing hanger and provides a means of attaching the Christmas tree to the wellhead.
Casing head housing	20141012	GM90	Good	The adapter between the first casing string and either the BOP stack or the wellhead. This adapter may be threaded or welded onto the casing, and may have a flanged or clamped connection to match the BOP stack or wellhead.
Tubing head spool	20141013	GO34	Good	A straight bore bowl with 45° landing shoulder design which avoids damage to sealing areas by drilling tools, and provides wedging of the tubing hangers, bowl protectors and test plugs.
Casing head spool	20141014	G1GD	Good	A wellhead component used in flanged wellhead assemblies to secure the upper end of a casing string.
Wellhead tees or crosses	20141015	G5WO	Good	The system of spools, valves and assorted adapters that provide pressure control of a production well.
Wellhead landing base	20141016	GOK8	Good	Base or casting of wellhead used for landing wellhead equipment.
Wellhead carrier body	20141017	G530	Good	Device used in handling wellhead equipment.

Wellhead hanger	20141018	GH0W	Good	Device to hold and support tubing or casing string in wellbore.
Chemical injection systems	201411	G20L	Good	Devices used in oil and gas production facilities to prevent or mitigate a wide range of problems that might negatively affect the production flow and/or process completion, i.e. corrosion.
Paraffin injection systems	20141101	GFQC	Good	Devices used for injecting a chemical into the wellbore to prevent or minimize paraffin deposition. The effectiveness of paraffin inhibitors is strongly dependent on crude oil composition.
Desanding equipment	201412	GTTZ	Good	A hydrocyclone device that removes large drill solids from the whole mud system. The desander should be located downstream of the shale shakers and degassers, but before the desilters or mud cleaners.
Production desanding equipment	20141201	G2TB	Good	A hydro cyclone device that removes large drill solids from the whole production mud system.
Downhole jet pumps and anchors	201413	G707	Good	Devices, parts and components attached to a type of pump that operates on the principle of a high-pressure fluid jet and the venturi effect it creates.
Downhole jet pumps	20141301	GKE7	Good	A type of pump that operates on the principle of a high-pressure fluid jet and the venturi effect it creates.
Downhole jet pump parts and accessories	20141302	GZ3R	Good	Parts and components attached to a type of pump that operates on the principle of a high-pressure fluid jet and the venturi effect it creates.
Drill tubing	20141303	GB1M	Good	Tubing used in conjunction with sucker rods on gas wells.
Downhole production accessories	201414	G12V	Good	Devices, parts and components used in downhole production
Tubing stops	20141401	G8YU	Good	Devices set in wellbore to provide a platform for numerous wireline operations, plunger lift, or as a safeguard to prevent debris from falling down the wellbore.

Downhole pumps	201415	G058	Good	Progressing cavity pumps used in both oil and coalbed methane recovery applications where the economics of oil and gas production demand efficiency, reliability and low whole life cost from the pumping element selected
Electric downhole pumps	20141501	GDK7	Good	An artificial-lift system that utilizes a downhole pumping system that is electrically driven.
Downhole progressive cavity pump	20141502	G086	Good	Downhole progressive cavity pump and associated parts.
Export pumps	201416	G606	Good	Systems that use pressurized gas or air to move media and when found in industrial applications are commonly powered by compressed inert gases or compressed air.
Pneumatic export pumps	20141601	GA04	Good	Systems that use pressurized gas or air to move media and when found in industrial applications are commonly powered by compressed inert gases or compressed air.
Offshore production and storage platforms	201417	G8NY	Good	Floating vessels used by the offshore oil and gas industry for the production and processing of hydrocarbons, and for the storage of oil.
Fixed offshore production platforms	20141701	GS08	Good	A type of offshore platform used for the production of oil or gas. These platforms are built on concrete and/or steel legs anchored directly onto the seabed, supporting a deck with space for drilling rigs, production facilities and crew quarters.
Floating offshore production platforms	20141702	GS30	Good	The units used by the offshore oil and gas industry for the production and processing of hydrocarbons, and for the storage of oil.
Floating offshore storage platforms	20141703	GLU8	Good	The units used by the offshore oil and gas industry for the production and processing of hydrocarbons, and for the storage of oil.
Floating offshore tension leg production platforms	20141704	G0LQ	Good	A vertically moored floating structure normally used for the offshore production of oil or gas, and is particularly suited for water depths greater than 300 meters (about 1000 ft.) and less than 1500 meters (about 4900 ft.).

Floating offshore tension leg storage platforms	20141705	GNFF	Good	A vertically moored floating structure normally used for the offshore production of oil or gas, and is particularly suited for water depths greater than 300 meters (about 1000 ft.) and less than 1500 meters (about 4900 ft.).
Well production flow measurement meters	201418	GJ02	Good	A device used to measure the flow rate or quantity of a gas or liquid moving through a pipe.
Well production gas turbine meters	20141801	G351	Good	Velocity sensing devices in which the direction of flow through the turbine meter is parallel to a turbine rotor axis and the speed of the rotation of the turbine meter is nominally proportional to the rate of flow.
Gas treating equipment	201419	GJQP	Good	A device used to remove the inherent solid, liquid, and gas impurities, which accelerate the corrosion of pipelines and transmission control equipment and lower the heating value of the gas.
Oil well production gas treating equipment	20141901	GLX8	Good	A device used to remove the inherent solid, liquid, and gas impurities, which accelerate the corrosion of pipelines and transmission control equipment and lower the heating value of the gas.
Glycol regenerators	201420	G2PI	Good	Devices used to drive off water absorbed from natural gas in the absorber/scrubber. The glycol regenerator comprises a heater, distillation column, filtration, and pumps to process and circulate the glycol in a modular skid package.
Oil well glycol regenerators	20142001	G6A9	Good	The system designed to drive off water absorbed from natural gas in the absorber/scrubber.
Heater treaters	201421	GQ4P	Good	A vessel that uses heat to break oil-water emulsions so the oil can be accepted by the pipeline or transport.
Oil well heater treaters	20142101	GW4P	Good	A vessel that uses heat to break oil-water emulsions so the oil can be accepted by the pipeline or transport.

Line heaters	201422	GF6U	Good	Devices used to counteract the Joule-Thomson (JT) effect where a reduction in temperature occurs at the choke when the well stream pressure is rapidly reduced to sales line pressure. They can also be used to heat gas or oil in transmission lines.
Electrical line heaters	20142201	GRIF	Good	The equipment that transfers heat to the produced gas stream. Heaters are especially used when producing natural gas or condensate to avoid the formation of ice and gas hydrates. These solids can plug the wellhead, chokes and flowlines.
Production injection skids	201423	G7I1	Good	Equipment used to inject exact amounts of chemicals and reagents into a system at required temperatures, pressures and flow rates. These chemicals help in safeguarding the system from corroding quickly and forming wax, foam, scales and hydrates.
Pneumatic methanol injections skids	20142301	GCFP	Good	Chemical injection skids commonly used in production facilities in the oil and gas industry. They prevent or mitigate a wide range of problems that might negatively affect the production flow and/or process completion.
Ocean floor equipment	201424	G8ZX	Good	Devices located on the seabed.
Subsea production wellhead equipment	20142401	G0Y0	Good	The system of spools, valves and assorted adapters that provide pressure control of a production well located on the seabed.
Subsea production manifold system	20142403	GD5P	Good	Includes manifold base and body and ROV actuated valves and foundation pile and pigging loop and pressure caps and fabrication and PLET-PLEM and connectors and covers and plates and jumpers i.e. production and gas lift and gas and water injection.
Vertical annular separation and pumping system	20142404	GW3J	Good	System utilizing a outer annulus liquid discharge arrangement to replace a standard pump shroud associated with an electrical submersible pump.
Subsea christmas tree and component	20142405	G3D1	Good	The set of valves, spools and fittings connected to the top of a well to direct and control the flow of formation fluids from the well located on the seabed.

Subsea control system	20142406	G0X1	Good	Includes topside and subsea controls, control stations, flying leads, subsea control module SCM, SCM mounting base, hydraulic and electric power units, uninterrupted power supply, distribution units, master control station.
Produced water treating equipment	201425	G9JS	Good	A System for removing oil and suspended solids entrained in produced water to enable reuse, discharge, or disposal of the water.
Oil field water oil centrifuges	20142501	G85B	Good	An item of solids-removal equipment that removes fine and ultrafine solids.
Production control system instrumentation	201426	G53R	Good	A component part of production control system instrumentation used in oil and gas operating and production equipment.
Wireless production control systems	20142601	G4BX	Good	Component parts of wireless production control systems used in oil and gas operating and production equipment.
Pumping units	201427	G077	Good	An overground drive that is used to reciprocate a piston pump in and out of an oil well. The pump is used to lift oil mechanically, especially if the bottomhole pressure is not high enough to make the oil to flow to the surface.
Sucker rod pump jacks	20142701	G520	Good	A steel rod that is used to make up the mechanical assembly between the surface and downhole components of a rod pumping system.
Rod pumps	20142702	G0ZU	Good	An artificial-lift pumping system using a surface power source to drive a downhole pump assembly.
Mechanical rod pumps	20142703	G2II	Good	An artificial-lift pumping system using a surface power source to drive a downhole pump assembly.
Pumping frame and extension assembly	20142704	GOSP	Good	Specially fabricated oilfield structure used in artificial lift system pumps.
Crank arm assembly	20142705	G5D0	Good	Crank used in oil well pumping unit extends from and is coupled to the valve member at the valve stem for moving the valve member between open flow and closed flow positions responsive to rotation of the crank arm.
Equalizer pitman assembly	20142706	G72A	Good	Pumping unit parts in oil well production process.
Horsehead assembly	20142707	GGN4	Good	Oilwell pumping unit forward part.

Samson post assembly	20142708	GWK8	Good	Support of oil well pumping unit.
Walking beam assembly	20142709	GB81	Good	Connecting structure used in oil well pumping unit.
Hanger bar assembly	20142710	GO6S	Good	Pumping unit parts in oil well production process.
Production separators	201428	GEQ5	Good	A cylindrical or spherical vessel used to separate oil, gas and water from the total fluid stream produced by a well.
Oil water separators	20142801	GFW2	Good	A cylindrical or spherical vessel used to separate oil, gas and water from the total fluid stream produced by a well.
Storage vessels and tanks	201429	GY9V	Good	A metal or plastic vessel used to store or measure a liquid. The three types of tanks in an oil field are drilling, production and storage tanks.
Oil storage tanks	20142901	G4KW	Good	A metal or plastic vessel used to store or measure a liquid, such as oil.
Fiberglass holding tank	20142902	G6ZF	Good	Tank constructed of fiberglass for containing liquids.
Steel holding tank	20142903	G02Y	Good	Tank constructed of steel for containing fluids.
Plastic holding tank	20142904	GZB8	Good	Tank constructed of plastic used to contain liquids.
Air receiver tank	20142905	G430	Good	An essential component to any high pressure compressed gas system, it serve as a buffer and a storage medium between the compressor and the consumption system.
Sucker rods	201430	G9KA	Good	A steel rod that is used to make up the mechanical assembly between the surface and downhole components of a rod pumping system. It is 25 to 30 ft. [7 to 9 m] long & threaded at each end to enable downhole components to be run and retrieved easily.
Alloy steel sucker rods	20143001	G90B	Good	Long jointed steel rod threaded at both ends. It is used to connect the downhole elements with the surface. The reciprocating piston pump of an oil well has downhole components, which are joined by a series of the Sucker Rods.
Pony rods	20143002	G04S	Good	A rod shorter than usual, usually placed below the polished rod and used to make a rod string of a desired length.

Continuous sucker rod	20143003	GTR7	Good	Finishing rod used to remove fluid from wellbore in artificial lift system. Also known as a special steel pumping rod.
Continuous sucker rod pin end	20143004	GJ1N	Good	Threaded end of continuous sucker rod having special pulling criteria.
Sucker rod shear coupling	20143005	G6AM	Good	Special type of coupling used to connect sucker rods.
Progressive cavity pump sucker rod	20143006	GY8J	Good	Sucker rod for PCP applications involving high torque work -- spinning motion-- instead of high tension work, like the standard ones used on sucker rod pumps -- reciprocating motion-- which involve high torque work.

## 24 Material Handling Machinery and Supplies

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Tanks and cylinders and their accessories	241118	G3WI	Good	Component parts of tanks and cylinders and their accessories for storage.
Reservoirs	24111801	G535	Good	Subsurface bodies of rock having sufficient porosity and permeability to store and transmit fluids.
Air or gas tanks or cylinders	24111802	GL7Y	Good	Storage containers for air or gas that come in a variety of sizes and shapes.
Storage tanks	24111803	GY30	Good	Containers that hold liquids, compressed gases (gas tank; or in U.S.A "pressure vessel", which is not typically labeled or regulated as a storage tank) or mediums used for the short- or long-term storage of heat or cold.
Calibrating tanks	24111804	GTTH	Good	Measurement of the dimensions of an oil tank, such as external diameter and height, using a steel tape. Once the measurements are recorded, they may be used to prepare tank tables, which describe tank capacity.
Chemical tanks	24111805	GMXC	Good	Storage containers for chemicals. They come in a variety of sizes and shapes, and are used for static storage, processing, mixing, and transport of both raw materials and finished chemical products.
Dip tanks	24111806	GOZ3	Good	Containers used for holding a liquid other than water and that is used for dipping or coating.

Expansion tanks	24111807	GY3W	Good	Small tanks used to protect closed (not open to atmospheric pressure) water heating systems and domestic hot water systems from excessive pressure.
Fuel storage tanks	24111808	G257	Good	Artificial reservoirs for storage of oil or petroleum products. Oil storage tanks may be of the surface, semisubterranean or subterranean types and may be made of metal or reinforced concrete, or may be built underground within rock salt deposits.
Processing tanks	24111809	G214	Good	Tanks for crude oil and finished products, usually vertical, cylindrical vessels with some sort of vapor emission control and surrounded by an earthen berm to contain liquid spills.
Water storage tanks	24111810	G800	Good	Containers for storage of water for industrial uses.
Carboys	24111811	G020	Good	A large globular glass bottle with a narrow neck, typically protected by a frame and used for holding acids or other corrosive liquids.
Containment basin	24111812	GT2J	Good	A equipment used to capture leaks, drips and spills to be contained for recovery.
Rinse tanks	24111813	G0FG	Good	Containers used for holding a liquid other than water and that is used for cleansing.
Hot water tank	24111814	GT30	Good	A tank that makes, stores, and supplies hot water used for bath, washing, cleansing, cleaning, and others.
Steam condensate tank	24111815	GP3N	Good	Tank that retrieves and stores high temperature condensation water discharge from steam trap of heat exchanger or water heater tank and others.
Liquified gas tank or cylinder	24111816	GOBH	Good	Vessel used to store and dispense liquefied gas at temperatures below -50 degrees centigrade. Vessel is sheathed with thermal insulation material or refrigerated to prevent gas temperature from exceeding normal temperature.
Cement silo	24111817	G7VW	Good	A tall cylindrical storage facility that stores dry, bulk cement, a raw ingredient of concrete. It is water proof and moisture proof, and has a device for loading or dispensing the cement.

Tank seal	24111818	G3AP	Good	Annular seal designed to prevent escape of vapors from floating roof storage tanks. Includes wiper assemblies.
Hydropneumatic tank	24111819	G5XH	Good	The hydro pneumatic tank stores pressure water and air supplied by a compressor, this allows water to have a sufficient pressure to feed different building areas.

### 30 Structures and Building and Construction and Manufacturing Components and Supplies

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Asphalt [FTA 188]	30121601.188000	G7Y5	Good	Asphalt [FTA 188]

### 32 Electronic Components and Supplies

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Automation control devices and components and accessories	3215	GA4D	Good	Is the use of various control systems for operating equipment such as machinery.
Control indicating and signaling devices	321515	GJ9L	Good	Equipment for receiving, processing, controlling, indicating and initiating the onward transmission of information as used in fire alarm systems.
Control sound module	32151501	G03F	Good	It is an electronic instrument without an human playable interface.
Light module	32151502	G19G	Good	Light module is a component part of control indicating and signaling devices.
Stack light	32151503	GZMN	Good	Commonly used on equipment in industrial manufacturing and process control environments to provide visual and audible indicators of a machine state or process event to machine operators, technicians, production managers and factory personnel.
Electronic circuit equalizer	32151504	G0G5	Good	An equalizer that employs active components such as transistors in its processing circuits. A pre-amplifying circuit generally follows each stage of actual equalization, boosting the signal level to restore unity gain.

Programmable logic controller subsystems	321516	G976	Good	The workhorse computing systems that help to coordinate and harmonize functions performed by the multitude of sensors, actuators, conveyors and many other electromechanical devices that are found in a modern factory setting.
Programmable logic controller chassis I/O subsystem	32151601	G0E7	Good	An industrial digital computer ruggedized and adapted for the control of manufacturing processes, such as assembly lines, or robotic devices, or any activity that requires high reliability control and ease of programming and process fault diagnosis.
Programmable logic controller distributed in cabinet I/O subsystem	32151602	G5MW	Good	A component part of programmable logic controller distributed in cabinet I/O subsystem used in automation control devices.
Programmable logic controller distributed on machine I/O subsystem	32151603	G6BB	Good	A component part of programmable logic controller distributed on machine I/O subsystem used in automation control devices.
Programmable logic controllers	321517	G0VO	Good	An industrial digital computer that is ruggedized and adapted for the control of manufacturing processes, e.g. assembly lines, robotic devices, or any activity that requires high reliability control & ease of programming and process fault diagnosis.
Control network linking device	32151701	GRSY	Good	A component part of control network linking device used in automation control devices.
Control network PC interface	32151702	G29T	Good	A component part of control network PC interface used in automation control devices.
Programmable logic controller accessories	32151703	GHKJ	Good	A component part of a programmable logic controller accessories used in automation control devices.
Programmable logic controller chassis	32151704	G8HG	Good	A hardware assembly (physical rack) that houses devices, such as I/O modules, adapter modules, processor modules, and power supplies.
Programmable logic controller module	32151705	G1H9	Good	A component part of a programmable logic controller module used in automation control devices.

Programmable logic controller power supply	32151706	GDJ8	Good	A device which provides internal DC current to operate the processor logic circuitry and input/output assemblies. Common power levels used are 24V DC or 120 VAC.
Programmable logic controller programming device	32151707	GRJJ	Good	An industrial digital computer ruggedized and adapted for the control of manufacturing processes, such as assembly lines, or robotic devices, or any activity that requires high reliability control and ease of programming and process fault diagnosis.
Programmable logic controller input output housing	32151708	G2XE	Good	Housing to contain modular I/O units connected to PLC's.
Programmable logic controller Input output doors	32151709	GRG4	Good	Protective doors affixed to the front of panel mounted PLC's to cover the cabling to the module. These are typically hinged and affixed to the module.
Safety control devices	321518	GZ7B	Good	Component parts of safety control devices used in automation control devices.
Load switch IEC	32151801	GE63	Good	A switch capable of making, carrying and breaking current under normal circuit conditions and which, in the open position, complies with the isolating requirements specified for a disconnector.
Safety control module	32151802	G002	Good	A device used to increase the control reliability and safety integrity of a circuit and devices.
Safety isolation system	32151803	GFX4	Good	Devices and components used as forms of energy isolation, which include electrical circuit breakers, disconnect switches, ball or gate valves, blind flanges, and blocks.
Safety light curtain and scanner	32151804	G8PE	Good	A safety sensor protect against access into hazardous points and areas.
Safety mat and edge	32151805	GMOE	Good	An application activates to switch off the power source. Safety sensitive edges are employed to protect against risks at shearing and crushing edges. Safety mats switch off the power source, when the mat is stepped on.

Automation control connectivity devices	321519	G740	Good	Devices and components used with and support connectivity of electrical devices that are connected to a central system that automates those devices based on user input.
Bulkhead pass through connector	32151901	G143	Good	A device used to route power and data into isolated environments by providing a mating point for applications, such as custom patch cable or wiring through a panel.
Control system cordset	32151902	G217	Good	A device with connectors at each end that provide secure connections with other devices, such as proximity sensors, limit switches, and photoelectric sensors.
Control system distribution box	32151903	G3X8	Good	A device that connects multiple devices to the control system and regulates the flow of electricity through a distribution board.
Control system patchcord	32151904	G0WJ	Good	An insulated cord with a plug at each end, for use with a patch panel.
Control system receptacle	32151905	G717	Good	A device into which an electric cord can be plugged in order to provide electricity.
Control system splitter	32151906	G0NW	Good	A power divider device which splits an electrical line into two lines.
Control system Y cable	32151907	G43C	Good	A "Y" shaped power cable splits an existing power cable into two connections, allowing for additional connections of internal devices.
Control system wiring	32151908	G53M	Good	A length of such material, consisting either of a single filament or of several filaments woven or twisted together and usually insulated with a dielectric material, used as a conductor of electricity.
Field attachable connector	32151909	GP0U	Good	A device that makes field connections to bulk cable.
Through panel control connection system	32151910	GY7Y	Good	A panel feeding one electrical panel through another.

## 39 Electrical Systems and Lighting and Components and Accessories and Supplies

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Distribution and control centers and accessories	391211	GZ86	Good	Components or parts used in electrical distribution and control centers.
Load centers	39121101	GI5U	Good	A device that takes electricity supplied by the utility and distributes it throughout the building or an electrically powered device to feed lights and receptacles.
Meter centers or sockets	39121102	GO6X	Good	A device that measures the amount of electric energy consumed by a residence, a business, or an electrically powered device.
Panelboards	39121103	GKQJ	Good	An electrical panel containing switches and fuses or circuit breakers controlling branch circuits (as for lights or fan motors) that is enclosed in a metal cabinet and usually placed in or against a wall —called also distribution board.
Motor control centers	39121104	GPDY	Good	A assembly of one or more enclosed sections having a common power bus and principally containing motor control units. Includes variable frequency drives, programmable controllers & metering. May be the electrical service entrance for the building.
Switchgear systems	39121105	G69L	Good	Electrical switchgear is a generic term which includes all the switching devices associated with mainly power system protection. It also includes all devices associated with control, metering and regulating of electrical power system.
Power monitoring or control systems	39121106	GW0W	Good	An electricity monitor, such as a power meter, used in energy control.
Lighting control systems	39121107	GZ19	Good	A network based lighting control solution that incorporates communication between various system inputs and outputs related to lighting control with the use of one or more central computing devices.

Distribution or control board fixtures	39121108	GW4H	Good	Parts or components of an electrical device consisting of a flat insulated surface that contains switches and dials and meters for controlling other electrical devices.
Transmission transformers	39121109	G81D	Good	A device that sends electricity long distance over high-voltage transmission lines.
Circuit breaker switchboard	39121110	GC43	Good	An automatically operated electrical switch designed to protect an electrical circuit from damage caused by excess current, resulting from an overload or short circuit. Its basic function is to interrupt current flow after a fault is detected.
Fusible switchboard	39121111	G388	Good	A device which provides one point of disconnect and overcurrent protection, meeting the NEC requirement that a main disconnect and overcurrent protection device be ahead of the meters when more than six branch circuits are used.
Low voltage alternating and direct current AC DC panelboard	39121112	GS5Y	Good	In direct current, the electric charge only flows in one direction. Electric charge in alternating current changes direction periodically. The voltage in AC circuits also periodically reverses because the current changes direction.
Low voltage motor control center	39121113	GB6X	Good	An assembly of one or more enclosed sections having a common power bus and principally containing motor control units usually used for low voltage three-phase alternating current motors from 208 V to 600 V.
Medium voltage motor control center	39121114	GBSV	Good	An assembly of one or more enclosed sections having a common power bus and principally containing motor control units and are made for large motors running at 2300 V to around 15000 V.

Medium voltage switchgear	39121115	GM4M	Good	The combination of electrical disconnect switches, fuses or circuit breakers used to control, protect and isolate electrical equipment. 3 KV to 36 KV switchgear system is categorized as medium voltage switchgear or MV switchgear.
Low voltage switchgear	39121116	G489	Good	The combination of electrical disconnect switches, fuses or circuit breakers used to control, protect and isolate electrical equipment.
Buss bar	39121117	GH7H	Good	A solid electrical conductor through which an electric current passes and is normally used for very high current or power circuits.
Electrical boxes and enclosures and fittings and accessories	391213	GRRF	Good	Component parts of electrical boxes and enclosures and fittings and accessories used in electrical equipment.
Control board enclosure	39121301	G9FV	Good	A cabinet for electrical or electronic equipment to mount switches, knobs and displays and to prevent electrical shock to equipment users and protect the contents from the environment.
Enclosure plates or covers	39121302	G7YI	Good	A device in front of an electrical switch box through which the plugs or tumblers protrude and protects the contents from the environment.
Electrical boxes	39121303	GDP8	Good	An enclosure for electrical wire connections that power various devices, including switches, dimmers, outlets, and lighting fixtures.
Electrical box covers	39121304	G1Z8	Good	A flat plate that screws on in place of a cover with a light switch or outlet access.
Weatherproof boxes	39121305	GASY	Good	An enclosure for electrical wire connections that power various devices which is resistant to the effects of bad weather, especially water.
Switch box	39121306	GE71	Good	A box, usually of metal, containing one or more electric switches.
Floor boxes	39121307	GZBO	Good	A metal electrical outlet box providing outlets from conduits in or under the floor.
Outlet box	39121308	GZ9F	Good	A box or receptacle designed to facilitate connections to a wiring system.

Specialty electrical boxes	39121309	GXX3	Good	An enclosure for electrical wire connections that power various devices with a unique design and purpose.
Utility boxes	39121310	GY13	Good	A location or enclosure which is suitable for housing or storing electrical or communications components, circuits, devices, equipment, materials, cables, connections, and the like.
Electrical fittings	39121311	G947	Good	A device used to secure electrical conduit to an electrical panel or electrical box.
Electrical bushing	39121312	GP72	Good	Type of bearing composed of various types of material designed to reduce friction between two parts, or to constrict motion of mechanical parts.
Ceiling flanges	39121313	G8L3	Good	A projecting disc-shaped collar or rim on an object for locating or strengthening it or for attaching it to another object visible from below the ceiling.
Explosion proof enclosure	39121314	G6YX	Good	Structure designed to contain and prevent release heat from combusted gas. Uses a flame path to cool the gas before it reaches outside.
Cast device box	39121315	GTK8	Good	A type of container that accommodates wiring devices and provides an opening to splice, tap or pull conductors.
Ceiling box	39121316	GDW2	Good	An enclosure mounted in ceilings and used for smoke, carbon monoxide, and fire detectors, as well as heavy lighting fixtures.
Ceiling pan	39121317	GW80	Good	A steel octagon box that can be used in the installation of ceiling or wall lighting fixtures or as a junction box.
Circuit breaker enclosure	39121318	GW6V	Good	An enclosure designed to house a circuit breaker.
Current transformer enclosure	39121319	G664	Good	A cabinet which provides outdoor/indoor protection and security for instrument current transformers.
Electrical box extension	39121320	GVVL	Good	A device that extends set back enclosures for electrical wire connections so it becomes flush with the surface.
Electrical box hardware and accessories	39121321	GVN0	Good	Components and parts used with enclosures for electrical wire connections.

Electrical box partition	39121322	G8L2	Good	A device used to divide boxes into compartments and separate low voltage circuits from standard power circuit applications.
Electrical console and consolet enclosure	39121323	GUT8	Good	A central control panel for a mechanical, electrical, or electronic system.
Electrical general purpose enclosure	39121324	GI92	Good	An enclosure intended for industrial non-hazardous use.
Electrical operator interface unit enclosure	39121325	GR64	Good	A device used as control housing for operator interface applications.
Electrical pushbutton enclosure	39121326	G9BP	Good	An enclosure with pre-cut pushbutton cutouts house and protect electrical components, such as pushbuttons, from oil, dirt and dust.
Electrical terminal enclosure	39121327	GC03	Good	An enclosure within which electric terminals are connected.
Fire rated poke through box	39121328	G197	Good	An enclosure floor box which provides housing for electrical wire connections.
Fuse cabinet	39121329	GM08	Good	A device for housing electric fuses.
Gang box	39121330	G9N0	Good	A modular box which holds a number of switches or other electrical devices wired into one unit and covered by one faceplate.
Hazardous location box	39121331	G209	Good	An enclosure used in hazardous locations.
Electrical junction box	39121332	GWI1	Good	An enclosure within which electric circuits are connected.
Masonry box	39121333	GSB4	Good	Device made from pre-galvanized steel and are designed to house and protect electrical wiring, switches, and receptacles in masonry walls.
Modular electrical enclosure	39121334	G03N	Good	A cabinet which provides housing for several power components, usually power semiconductor devices.
Telephone termination cabinet	39121335	G396	Good	An enclosure to mount and protect telephone terminations and other telecommunications circuit accessories.
Underground electrical enclosure	39121336	GGB9	Good	An enclosure for electrical wire connections underground that helps protect electrical cables and devices from harsh environments.
Electrical sealing compound	39121337	GQXP	Good	A compound used to seal electrical boxes, enclosures and cable fittings.

Electrical controls and accessories	391215	GTIH	Good	A device that deals with routing electric power, controlling its quality, and controlling the devices attached to a power line.
Motor starter controls	39121521	GD1K	Good	Electromechanical protection devices for the main circuit. They are used mainly to switch motors manually ON/OFF and to provide fuse less protection against short-circuit, overload and phase failures.
Electrical contacts	39121522	GA19	Good	An electrical circuit component found in electrical switches, relays, connectors and circuit breakers. Each contact is a piece of electrically conductive material, usually metal.
Timer controls	39121523	GO40	Good	A device that operates an electric switch controlled by the timing mechanism. The switch may be connected to an electric circuit operating from mains power, including via a relay or contactor.
Photocontrols	39121524	GD5K	Good	A device used for the control of a system using light.
Encoders	39121527	GZ5P	Good	A device, circuit, transducer, software program, algorithm that converts information from one format or code to another, for the purposes of standardization, speed or compressions.
Photoelectric sensors	39121528	GNIO	Good	A device used to discover the distance, absence, or presence of an object by using a light transmitter.
Contactors	39121529	GL5Q	Good	A device for making and breaking an electric circuit.
Indicator or pilot lights	39121534	GO3N	Good	An electric indicator light or control light.
Indicator light parts or accessories	39121544	GQ6Y	Good	An electric indicator light or control light.
Emergency stop device	39121545	G445	Good	A manual safety control device used to shut off or initiate the emergency stop function of a another device or machinery.
Reflector parts	39121551	G4QV	Good	Component of an object that reflects light and shines when light shines onto it.
Electrical control modules	39121552	G0W8	Good	An embedded system used to control the functions of electrical systems.
Counter control	39121555	G920	Good	A device used for counting, such as measuring and metering of speed or power.

Pendant control station	39121561	GF32	Good	A control panel, usually consisting of one or more pushbuttons, that is connected to a suspended cable. Also referred to as a pendant control box, or pendant pushbutton station.
Surface mount control station	39121565	G5CH	Good	A Surface Mount Control Station is made of factory sealed contact blocks. It is a die-cast, polyester or stainless steel enclosure.
Shunt reactor	39121568	G1IP	Good	Shunt reactors compensate the capacitive generation on power lines to avoid non-controlled voltage rise, especially on lightly loaded lines.
Series reactor	39121569	G076	Good	Devices that eliminate harmonic wave and protect capacitor banks from damage.
Recloser	39121570	GF5P	Good	Switches that will automatically open to break a circuit if they detect electrical problems, and then attempt to close the circuit at timed intervals.

## 40 Distribution and Conditioning Systems and Equipment and Components

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Industrial pumps and compressors	4015	GABD	Good	Industrial pumps are used to move fluid in an industrial application.
Pumps	401515	GMKX	Good	A mechanical device using suction or pressure to raise or move fluids, liquids or gases, and air.
Air pumps	40151501	GNEE	Good	An apparatus for drawing in, compressing, or exhausting air.
Vacuum pumps	40151502	G835	Good	A piece of equipment for removing air or gas from a container, creating a vacuum inside
Centrifugal pumps	40151503	G16K	Good	A type of pump commonly used in the handling and mixing of oilfield fluids.
Circulating pumps	40151504	G229	Good	A device that causes the flow of liquid (e.g. water or aqueous solutions, mostly glycol) in circuits (primary or secondary) of heating or cooling installations
Dosing pumps	40151505	GN16	Good	A low-volume fluid pump with controllable discharge rate used to inject chemical additives to the mixing or pumping system.

Hand pumps	40151506	G5EP	Good	Manually operated pumps; they use human power and mechanical advantage to move fluids or air from one place to another.
Irrigation pumps	40151507	G84L	Good	A pump used to re-circulate mass amounts of fluids, such as water, and provides water to a section of land.
Mud pumps	40151508	G07T	Good	A large, high-pressure reciprocating pump used to circulate the mud on a drilling rig.
Reciprocating pumps	40151509	GI21	Good	A type of fluid pump in which reciprocating pistons or plungers displace the fluid.
Water pumps	40151510	GJJ3	Good	A pump for raising or circulating water.
Well pumps	40151511	G68Y	Good	A pump designed for extracting water from wells.
Sump pumps	40151512	G60V	Good	A sump pump is a pump used to remove water that has accumulated in a water-collecting sump pit.
Submersible pumps	40151513	G871	Good	An artificial-lift system that utilizes a downhole pumping system to lift fluids.
Steam pumps	40151514	G6DT	Good	A pump driven by steam or directly by a steam engine.
Solenoid pumps	40151515	GOT0	Good	A fluid transfer device that makes use of the reciprocating motion of an electromagnetic solenoid plunger to transport fluid through a sealed suction chamber.
Shear pumps	40151516	GYHT	Good	Pumps that have a propensity for shearing are pumps that have meshing teeth or introduce the fluid to multiple moving parts.
Sewage pumps	40151517	GEGR	Good	A device used to move sewage liquids and solids between one location and another.
Sealless pumps	40151518	GXV5	Good	A conventional centrifugal pump without packed glands or mechanical seals.
Sanitary pumps	40151519	GC3Q	Good	Pumps used to transport and meter solutions, such as slurries, that require cleanliness.
Sampling pumps	40151520	GTI1	Good	A device which draws air through a collection filter to measure levels of contaminants present in air.
Rotary pumps	40151521	GDPB	Good	A pump for transferring water or other fluids by the rotating action of its component parts.

Reverse osmosis pumps	40151522	G6NR	Good	A pump for a process that separates salt and other contaminants from water and other fluids.
Positive displacement pumps	40151523	GWET	Good	A pump that draws fluid into a compartment at the inlet and move it to an outlet for discharge, typically using a rotary, reciprocating, or diaphragm method to move fluid. The displacement volume of the pump is fixed for each rotation of the pump.
Oil pumps	40151524	GD1W	Good	A pump which pressurizes fluid in a system used to pump oil out of wells.
Sludge pumps	40151525	GYX8	Good	A high-powered mechanism to move fluids that are often very heavy and sometimes viscous and full of volatile or corrosive content.
Turbine pumps	40151526	GW3X	Good	Pumps that utilize fluid momentum and velocity to generate pump pressure. Specifically, they are centrifugal pumps, which generate this velocity by using an impeller to apply centrifugal force to the moving liquid.
Plunger pumps	40151527	G1O1	Good	A type of positive displacement pump where the high-pressure seal is stationary and a smooth cylindrical plunger slides through the seal. This makes them different from piston pumps and allows them to be used at higher pressures.
Oscillating pumps	40151528	G1YH	Good	Are self-priming, corrosion resistant, have no dynamic seals pumps intended for replenishing, transfer and circulating installations.
Drum pumps	40151529	GSQ7	Good	Pumps that are used to empty barrels, tanks, IBCs and drums.
Dredge pumps	40151530	G8IO	Good	A special category of heavy duty slurry pumps that are utilized in the process of dredging. Dredging is referred to as the process of transport of underwater sediments (usually sand, gravel or rocks) from one region to another.

Dewatering pumps	40151531	G4I1	Good	A pump used in the process of removing water from water-base drilling mud. Dewatering can involve chemical treatment for flocculation and aggregation of solids followed by mechanical separation, such as centrifugation or mechanical treatments alone.
Fuel pumps	40151532	G2VL	Good	A mechanical or electrical pump that draws fuel from a tank to provide the fuel supply for a carburetor or fuel injection system.
Hydraulic pumps	40151533	G767	Good	A surface hydraulic pump pressurizes crude oil called power oil, which drives the bottom pump.
Cryogenic pumps	40151534	G0WF	Good	A vacuum pump that traps gases and vapors by condensing them on a cold surface.
Axial split pumps	40151546	G2LD	Good	A pump whose casing is split axially, or whose principal joint is parallel to the shaft centerline; the casing is split into an upper half and a lower half. An axially split case pump is always a horizontal pump.
Deepwell pumps	40151547	G92X	Good	A pump designed for pumping water from wells with water levels more than about twenty-five feet below the pump location.
Diaphragm pumps	40151548	GSKN	Good	A positive displacement pump that uses a combination of the reciprocating action of a rubber, thermoplastic or teflon diaphragm and suitable valves on either side of the diaphragm to pump a fluid.
Double diaphragm pumps	40151549	GTW1	Good	A type of diaphragm pump designed to move gases, liquids, or gas-liquid mixtures via two separate reciprocating diaphragms.
Duplex pumps	40151550	GV16	Good	A type of fluid pump that has two plungers or pistons. As a positive-reciprocating pump, the fluid flow rate is typically calculated from the number of strokes per minute that the pump makes and the displacement volume per stroke.
Gear pumps	40151551	G096	Good	A pump which uses the meshing of gears to pump fluid by displacement, such as high viscosity fluids.

Metering or injection or proportioning pumps	40151552	GVN4	Good	Controlled volume positive displacement pumps with the ability to precisely control process fluid volume by varying effective stroke length.
Progressive cavity pumps	40151553	G9TQ	Good	A type of a positive displacement pump which uses a rotor to pump fluids.
Ram pumps	40151554	G579	Good	A water-powered pump which uses the energy from a large flow of water dropping through a small distance to lift a small percentage of the water to a much higher level.
Rotary cam pumps	40151555	G67W	Good	A displacement pump with rotating or sliding piece in a mechanical linkage that delivers a steady flow by the action of two members in rotational contact.
Rotary lobe pumps	40151556	G515	Good	A pump with non-contact and have large pumping chambers, allowing them to handle solids, such as cherries or olives without damage. They are also used to handle slurries, pastes, and a wide variety of other liquids.
Rotating piston pumps	40151557	GZ7P	Good	A type of positive displacement pump where the high-pressure seal reciprocates with the piston. Piston pumps can be used to move liquids or compress gases.
Screw Pumps	40151558	G8MX	Good	A pump in which the working pressure is created by means of screw-shaped impellers in the vertical water column.
Simplex pumps	40151559	GN84	Good	A single piston reciprocating device that displaces fluids on both stroke cycles.
Sliding vane pumps	40151560	GZ4Y	Good	A positive-displacement pump that consists of vanes mounted to a rotor that rotates inside of a cavity. In some cases these vanes can have variable length and/or be tensioned to maintain contact with the walls as the pump rotates.
Triplex pumps	40151561	G053	Good	A positive-displacement reciprocating pump that is configured with three plungers
Worm pumps	40151562	GK1Z	Good	A pump that raises water by means of helical impellers in the pump casing.

Fire pump sets	40151563	G8HZ	Good	Components and parts of a fire-pump which delivers the water via the pipe-system to the fire sprinklers to suppress the fire.
Chemical pumps	40151564	GUQK	Good	Used in the oil and gas industry to pump, meter and monitor aggressive chemicals to prevent corrosion problems that could negatively impact the jobsite.
Macerator pump	40151565	G62M	Good	A type of pump designed to empty holding tanks. Includes a bronze cutter to grind waste down to small particle size. By grinding down the particles, it makes it possible to eject them (pump out) through the discharge nozzle of the pump.
Booster pump	40151566	GNG0	Good	The booster pump is a positive displacement pump which operates by pulling air through a pair of meshing lobes not unlike a set of stretched gears.
High temperature pump	40151567	GTC8	Good	A pump manufactured for high precision processes designed to move heated fluid up to 260 degrees F.
Pulp pump	40151568	GLA9	Good	A special pump for pumping of paper material, slurry and others up to a density of six percent.
Monoflex pump	40151569	GIE6	Good	A specialized pump designed to work with special rubber, special urethane materials, impeller and casing and shaft for corrosion resistance and abrasion resistance materials.
Mixed flow pump	40151570	GTJ1	Good	A pump that is an intermediary between a centrifugal pump and an axial flow pump. It accelerates to the axial direction simultaneously with the centrifugal force for the fluid.
Inline pump	40151571	GY1U	Good	A pump that is used for agricultural fluid transfer and hot and cold water circulation. It is installed between the pipes with the pump and motor axis as a single type.
Air lift pump	40151572	GM9B	Good	A pump that sucks up liquid by using the action generated from releasing the compression air or gas from the tip of the submerged pipe.

Magnet pump	40151573	GZ6L	Good	A pump that is driven by magnetic force not mechanical force. It operates by having the impeller sealed with the ferrite magnet rotate with the driving magnet attached to the motor axis.
Ejector pump	40151574	G88U	Good	A pump that induces and releases the liquid as kinetic energy created by the pressure of ejecting water, air, or vapor compressed at high speed through the nozzle.
Brushless coolant pump	40151575	GKRJ	Good	Pump that can take various configurations using brushless motor power.
Mortar pump	40151576	GION	Good	A type of pump that pumps mixed mortar, plaster or plastering material to high elevation or distant location.
Grouting pump	40151577	GHV5	Good	A type of pump that sprays cement grout to harden weak foundation or to fill in gaps in base rock in the construction work for dam, structure, tunnel and harbor.
Diving air pump	40151578	GJJJ	Good	A pump that supplies the air required for divers to breathe. It uses the helmet-type diving apparatus that sends the air above the water.
Gravity pump	40151579	G04K	Good	A pump that pulls up to the higher place by transferring into small volume of high-pressure liquid with the massive volume of low pressure liquid by using the water inertia.
Lubricator pump	40151580	GQ61	Good	A type of precision metering pump operating within rugged cast iron reservoirs which contain the lubricant to be pumped.
Multi stage pump	40151581	GYZ0	Good	A pump with more than two impellers that allows liquid to flow through more than twice.
Treadle pump	40151582	G669	Good	Foot-operated pump used for irrigation.
Compressors	401516	GR5H	Good	Devices that raise the pressure of air or natural gas. A compressor normally uses positive displacement to compress the gas to higher pressures so that the gas can flow into pipelines and other facilities.

Air compressors	40151601	G1FO	Good	A device which converts the power using an electric power, gasoline engine or diesel is converted into potential energy stored in pressurized air(compressed air).
Axial flow compressors	40151602	G1F8	Good	Devices used for compressing a gas by accelerating it tangentially by means of bladed rotors, to increase its kinetic energy, and then diffusing it through static vanes (stators), to increase its pressure.
Diaphragm compressors	40151603	G5XN	Good	A variant of the classic reciprocating compressor with backup and piston rings and rod seal.
Gas compressors	40151604	G0W6	Good	Mechanical devices that increase the pressure of a gas by reducing its volume which helps transport gas from one location to another.
Motor compressors	40151605	GR30	Good	A machine that increases the pressure of a gas or vapor by increasing the gas density and delivering the fluid against the connected system resistance.
Reciprocating compressors	40151606	GM3F	Good	Positive displacement machines in which the compressing and displacing element is a piston having a reciprocating motion within a cylinder.
Refrigerant compressors	40151607	GK5J	Good	A large mechanical units which use compression to raise the temperature of a low-pressure gas, and also remove vapor from the evaporator.
Rotary compressors	40151608	GOP5	Good	An air compressor using a rotary impeller driving air through a curved chamber to compress the air.
Screw compressors	40151609	G16A	Good	A gas compression unit that uses two screws with opposite threads to force air into a sealed chamber.
Barrel compressors	40151611	GUNN	Good	A type of centrifugal compressor which the increased strength provided by the cylinder of the barrel casing allows barrel compressors to operate at much higher pressures.

Centrifugal compressors	40151612	G029	Good	Equipment that uses a rotating disk or impeller in a shaped housing to force the gas to the rim of the impeller, increasing the velocity of the gas. A diffuser (divergent duct) section converts the velocity energy to pressure energy.
Combination compressors	40151613	GO4R	Good	A compressor design that has both axial and centrifugal stages. Normally, axial is followed by centrifugal to compress incoming air before combustion.
Semi radial compressors	40151614	G8RL	Good	A compressor in which the airflow is radial. Air is taken to the center of the impeller and slung outward by the centrifugal force.
Turbo compressors	40151615	GUJ3	Good	A dynamic-type (centrifugal or axial-flow) compressor used for the compression and injection of gases. Such a compressor is more efficient than a reciprocating compressor and eliminates pressure surges in the injected gas.
Compressor kits	40151616	GOR4	Good	Components and parts used with a compressor.
Pump parts and accessories	401517	G161	Good	Components and parts used with pumps.
Pump casings	40151701	G1C3	Good	Component that serves to seal off the inside of the pump to atmosphere to prevent leakage and retain pressure.
Pump packings	40151712	G1R8	Good	A material, often in the form of a grease-impregnated fibrous ring, compressed inside a stuffing box or the like to prevent leakage around the moving shaft of a pump.
Pump liners	40151713	G1LZ	Good	A device used as a lining in a pump, such as a mud pump, which is resistant to corrosion and heat.
Pump barrels	40151714	GUU9	Good	The cylinder of the downhole pump.
Pump idlers	40151715	G581	Good	A small interior gear in a pump.
Pump head	40151716	G4EQ	Good	A metering application that provide height measurement.
Pump discs	40151717	GD0A	Good	A series of parallel, rotating discs to generate the energy necessary to move product.

Sludge pump spare parts	40151718	GMKJ	Good	A duplicate or replacement part for a high-powered mechanism to move fluids that are often very heavy and sometimes viscous and full of volatile or corrosive content.
Sewage pump spare parts	40151719	G19P	Good	A duplicate or replacement part for a device used to move sewage liquids and solids between one location and another.
Submersible pump spare parts	40151720	GU7E	Good	A duplicate or replacement part for an artificial-lift system that utilizes a downhole pumping system to lift fluids.
Water pump spare parts	40151721	GA6J	Good	A duplicate or replacement part for a pump for raising or circulating water.
Well pump spare parts	40151722	GD41	Good	A duplicate or replacement part for a pump designed for extracting water from wells.
Sump pump spare parts	40151723	GOJI	Good	A duplicate or replacement part for a sump pump is a pump used to remove water that has accumulated in a water-collecting sump pit.
Dosing pump spare parts	40151724	GYC8	Good	A duplicate or replacement part for a low-volume fluid pump with controllable discharge rate used to inject chemical additives to the mixing or pumping system.
Centrifugal pump spare parts	40151725	G591	Good	A duplicate or replacement part for a type of pump commonly used in the handling and mixing of oilfield fluids.
Circulation pump spare parts	40151726	GVC5	Good	A duplicate or replacement part for a device that causes the flow of liquid (e.g. water or aqueous solutions, mostly glycol) in circuits (primary or secondary) of heating or cooling installations
Rotary pump spare parts	40151727	GV67	Good	A duplicate or replacement part for a pump for transferring water or other fluids by the rotating action of its component parts.
Pump repair kits	40151728	G330	Good	Replacement parts for pumps used as a maintenance process for smooth pumping.
Pump stator	40151729	GT44	Good	The stationary part of a motor, dynamo, turbine, or other working machine about which a rotor turns.

Pump impeller	40151730	GNHI	Good	The rotating part of a centrifugal pump, compressor, or other machine designed to move a fluid by rotation.
Pump rotor	40151731	GK8I	Good	A rotating part of an electrical or mechanical device.
Pump shaft	40151732	GZ4L	Good	A device that transmits the driver torque to the impeller of centrifugal pumps or to the displacement element of rotary pumps.
Pump soleplate	40151733	GSE4	Good	A mounting plate onto which a vertical turbine pump VTP is attached to provide a foundation for installation and maintenance. It allows the removal of the pump without disturbing the foundation.
Pump baseplate	40151734	GK04	Good	A precisely ground plate that acts as the foundation of a pump or pump assembly.
Pump column assembly	40151735	GD4Y	Good	A section of the vertical turbine pump consisting of pump column, which is threaded or flanged, column coupling, pump line-shaft, lineshaft coupling, line-shaft bearing and bearing retainer.
Pump column pipe	40151736	GD1M	Good	An interchangeable section, threaded or flanged, of the vertical turbine pump that connects the discharge head to the pump bowl and contains the fluid being pushed up by the impeller.
Pump bowl assembly	40151737	GD22	Good	A component of a vertical turbine pump consisting of the pump impeller and the impeller bowl. The Pump Bowl Assembly also converts the velocity energy as it leaving one impeller, to pressure energy at the inlet of the next impeller.
Pump suction bell	40151738	GIZS	Good	A component of a vertical turbine pump connected to the pump bowl which provides a smooth flow transition into the first stage from an open pit type of application.
Reciprocating pump parts	40151739	G768	Good	Maintenance and repair parts for pumps that use reciprocating motion to move pump fluids.

Industrial filtering and purification	4016	GD9Y	Good	Filtration is any of various mechanical, physical or biological operations that separate solids from fluids by adding a medium through which only the fluid can pass.
Filters	401615	GW9Y	Good	A porous device for removing impurities or solid particles from a liquid or gas passed through it.
Vacuum filters	40161501	G065	Good	An apparatus for separating suspensions—that is, liquids that contain solid particles in a suspended state. The separation takes place as a result of the pressure difference created by a vacuum pump above and below the filter baffle plate.
Water filters	40161502	GRUM	Good	An apparatus for removing impurities by minimizing contamination of water using a fine physical barrier, a chemical process or a biological process.
Dust collectors	40161503	GB42	Good	A device or system used to enhance the quality of air released from industrial and commercial processes by collecting dust and other impurities from air or gas.
Oil filters	40161504	GVR1	Good	A filter designed to remove contaminants from engine oil, transmission oil, lubricating oil, or hydraulic oil. Oil filters are used in many different types of hydraulic machinery.
Air filters	40161505	G1N4	Good	A particulate air filter is a device composed of fibrous materials which removes solid particulates, such as dust, pollen, mold, and bacteria from the air.
Filtering machinery	40161506	GOIK	Good	Devices used for removing contaminants.
Filter membranes	40161507	GBXO	Good	A device for eliminating or separating certain elements, as (a) particles of certain size from a solution.
Bag filters	40161508	G549	Good	An air pollution control device that removes particulates out of air or gas released.
Absorption filters	40161509	GIT1	Good	A filter designed to clarify and remove surfactants from hydrocarbon liquids.
Coalescing filters	40161511	G0BM	Good	A filter used to separate liquid water and oil from compressed air using a coalescing effect.

Electronic filters	40161512	GPG2	Good	A device or process that removes some unwanted components or features from a signal.
Fuel filters	40161513	G2WO	Good	A filter in the fuel line that screens out dirt and rust particles from the fuel.
Gas pipeline filters	40161514	GEGV	Good	A filter designed to remove suspended liquids and dirt from pipeline natural gas.
Hydraulic filters	40161515	G5DB	Good	A filter that protects hydraulic system components from damage due to contamination of oils or other hydraulic fluid in use caused by particles.
In line filters	40161516	G151	Good	A kind of electronic filter that is placed between an electronic equipment and a line external to it, to attenuate conducted radio frequencies between the line and the equipment.
Light filters	40161517	G0D2	Good	A transparent filter that reduces the light (or some wavelengths of the light) passing through it.
Microfiber filters	40161518	G525	Good	A semi-permeable paper barrier placed perpendicular to a liquid or air flow. It is used to separate fine substances from liquids or air.
Panel filters	40161519	GIX7	Good	A particulate air filter is a device composed of fibrous materials which removes solid particulates in a panel form.
Radial fin filters	40161520	G0RX	Good	A filter for radial fin type elements to remove dust out of compressors, engines and blowers. They are also used to filter hydraulic fluids, lube oil, fuel oil, and process fluids.
Filter Base	40161521	GZLT	Good	A filter mounting structure.
Filter Fins	40161522	G8N7	Good	Component of a radial fin filter, manufactured from woven or felted media in either natural or synthetic fibers.
Paint filters	40161524	GOTC	Good	A filter for liquid particle separation which involves paints, oils, varnishes and lacquers.
Housings for filters	40161525	GCR9	Good	An encase for filters.
Filter retainers or accessories	40161526	G8Z8	Good	Device used to clamp particulate pre-filters on to gas and vapor filters.
Filter repair kits	40161527	GLT2	Good	Replacement parts for filters used as a maintenance process for cleaner filtering.

Sand filter	40161528	G341	Good	A type of filter for purifying domestic water, consisting of specially graded layers of aggregate and sand, through which the water flows slowly downwards.
Tube filter	40161529	GMMH	Good	Tubular shaped filter media.
Cabin air filter	40161530	G921	Good	A type of air filter designed for vehicle cabins and passenger compartments.
Filter assembly	40161531	G978	Good	Filter package comprised of various types either in combination with other filters or in combination with ancillary components.
Filter strainer	40161532	G98X	Good	Filter composed of mesh material of coarseness of 50 microns or more.
Solid waste filter	40161533	G018	Good	Type of filter used for removing solid particles placed in water or liquid.
Purification	401616	GGCR	Good	Devices used in the removal of contaminants from something.
Air scrubbers	40161601	GYOF	Good	A portable filtration system that removes particles, gasses, and/or chemicals from the air within a given area. These machines draw air in from the surrounding environment and pass it through a series of filters to remove contaminants.
Air cleaners	40161602	GN70	Good	A device that stops particles that are present in the air from entering air-breathing machinery.
Pipe and tube cleaning machine	40161603	GI2O	Good	A machine to clean the inside of tubes by penetrating the clogged with a shaft and attached brush or other attachments and applying a rotating, back and forth motion within the tube.
Oil regenerator	40161604	GX6M	Good	A type of device that recovers the oil or enables the oil to be reused.
Deodorizing tower	40161605	GJWW	Good	A type of device that exhausts the odor gas contained in the air by connecting with the deodorant in the vacreator for adjusting time, temperature, relative humidity and others to remove the odor.

Ozone generator for air cleaning	40161606	G1B7	Good	A device that generates ozone artificially by using the electrolysis of liquid and silent discharge. Due to the efficacy on the ozone, it is used for sterilization, deodorant, air purification and others.
Flue gas desulphurization system	40161607	G6QB	Good	A type of device that has installed for the purpose of preventing the atmospheric pollution by removing the sulfur oxides.
Air sterilizer	40161608	GFEG	Good	Equipment that is for the sterilization of bacteria, virus, mold and others floating in the air.
Water purification system	40161609	GZ78	Good	Its purpose is the elimination of pathogenic microorganisms contained in water that have not been eliminated in the initial stages of water treatment.
Separators	401617	GXJ3	Good	A cylindrical or spherical vessel used to separate oil, gas and water from the total fluid stream produced by a well.
Centrifuges	40161701	G3DZ	Good	An item of solids-removal equipment that removes fine and ultrafine solids.
Wet scrubbers	40161702	G428	Good	A device to remove dirt, water, foreign matter, or undesired liquids that are part of the gas flowstream.
Mist eliminators	40161703	G61R	Good	A device used to collect small liquid droplets (moisture or hydrocarbons) from the gas stream before it leaves the separator.
Hydro cyclones	40161704	G91Y	Good	Hydro cyclone is a unit for solid separations from fluids.
Demister pad	40161705	GUNK	Good	Demister and demister-pad work like mist eliminator. It differs in the kind of filter media used. For demisters, the media is wire mesh; for mist eliminators, it is fiber glass, wool, etc.
Filter media	401618	G450	Good	Materials that are the granular filtering materials which are installed in the filters.
Metal fabric media	40161801	GKNX	Good	Filter made from metal material for capturing oil mist.
Pressed felts	40161802	GT6V	Good	A textile material that is produced by matting, condensing and pressing fibers together used in filters.

Filter papers	40161803	GB41	Good	A piece of porous paper for filtering liquids, used especially in chemical processes.
Filter aids	40161804	GN1D	Good	A low-density, inert, fibrous, or fine granular material used to increase the rate and improve the quality of filtration.
Filter cloth	40161805	G3OF	Good	A cloth used as a filter that removes some of the suspended silt and solids and destroys some pathogens.
Filter mesh	40161806	G3Q6	Good	A barrier made of connected strands of metal, fiber, or other flexible or ductile materials. A mesh is similar to a web or a net in that it has many attached or woven strands used to remove contaminants.
Filter element	40161807	G01Q	Good	Filter element is a porous device which performs the actual process of filtration.
Biological filter media	40161808	G747	Good	A type of filter used to purify water through microbial action carried out on the surface of the media.
Filter cartridge	40161809	GFX8	Good	A replaceable component containing filtration material which is installed within a filter housing or attached to a filter receptacle for use.
Pipe piping and pipe fittings	4017	GD31	Good	Cylinders and related fittings and assemblies used to convey fluid and gaseous products.
Pipe nipples	401733	GZBM	Good	A fitting, consisting of a short piece of pipe, usually provided with a male pipe thread at each end, for connecting two other fittings.
Brass pipe nipple	40173301	G2YJ	Good	Pipe nipple made of brass.
Carbon steel pipe nipple	40173302	G49Q	Good	Pipe nipple made of carbon steel.
Stainless steel pipe nipple	40173303	GKC1	Good	Pipe nipple made of stainless steel.
PVC plastic pipe nipple	40173304	GH4X	Good	Pipe nipple made of PVC plastic
CPVC plastic pipe nipple	40173305	GZK0	Good	Pipe nipple made of CPVC plastic.
ABS plastic pipe nipple	40173306	G3QG	Good	Pipe nipple made of ABS plastic.
HDPE plastic pipe nipple	40173307	GVXW	Good	Pipe nipple made of HDPE plastic.
Copper pipe nipple	40173308	G981	Good	Copper pipe elbow.

Galvanized iron pipe nipple	40173309	G8YA	Good	Galvanized iron pipe nipple, the galvanization is an electrochemical process by which iron is covered with other metal. The galvanization function is to protect the treated metal surface against corrosion.
Ductile iron pipe nipple	40173310	GZ8M	Good	A piece of externally threaded tube used to join two tubes and made from ductile iron.
Black iron pipe nipple	40173311	GQV1	Good	A piece of externally threaded tube used to join two tubes and made with black iron.
Pipe plugs	401735	G435	Good	A cap end of fractional tubes designed to insert into the end of tubing to dead-end the flow.
Brass pipe plug	40173501	G815	Good	Pipe plug made of brass.
Carbon steel pipe plug	40173502	GP06	Good	Pipe plug made of carbon steel.
Cast iron pipe plug	40173503	GKUW	Good	Pipe plug made of cast iron.
Ductile iron pipe plug	40173504	GI53	Good	Pipe plug made of ductile iron.
Forged steel pipe plug	40173505	GO32	Good	Pipe plug made of forged steel.
Malleable iron pipe plug	40173506	GWA1	Good	Pipe plug made of malleable iron.
Stainless steel pipe plug	40173507	G75I	Good	Pipe plug made of stainless steel.
PVC plastic pipe plug	40173508	G2XK	Good	Pipe plug made of PVC plastic.
CPVC plastic pipe plug	40173509	GBU4	Good	Pipe plug made of CPVC plastic.
ABS plastic pipe plug	40173510	GZ24	Good	Pipe plug made of ABS plastic.
HDPE plastic pipe plug	40173511	G968	Good	Pipe plug made of HDPE plastic.
Copper pipe plug	40173512	G74F	Good	Pipe plug made of copper.
Rubber pipe plug	40173513	GO8M	Good	Pipe plug made of rubber.
Aluminum pipe plug	40173514	GNL0	Good	Aluminum plug.
Galvanized iron pipe plug	40173515	GJ1Z	Good	Galvanized iron pipe plug, the galvanization is an electrochemical process by which iron is covered with other metal. The galvanization functions is to protect the treated metal surface against corrosion.
Pipe swivel or rotating joints	401745	GIY3	Good	Swivel joints are precision components for the connection between stationary pipes or hoses and rotating parts of machines. The function is the transport of gaseous, liquid or semi-solid substances (oil, steam, cooling liquids) from and to machines.
Brass pipe swivel or rotating joint	40174501	GFBR	Good	Pipe swivel or rotating joint made of brass.

PVC plastic pipe swivel or rotating joint	40174502	GXWB	Good	Pipe swivel or rotating joint made of PVC plastic.
CPVC plastic pipe swivel or rotating joint	40174503	GYBU	Good	Pipe swivel or rotating joint made of CPVC plastic.
ABS plastic pipe swivel or rotating joint	40174504	GE68	Good	Pipe swivel or rotating joint made of ABS plastic.
HDPE plastic pipe swivel or rotating joint	40174505	G65B	Good	Pipe swivel or rotating joint made of HDPE plastic.
Copper pipe swivel or rotating joint	40174506	GX2J	Good	Pipe swivel or rotating joint made of copper.

## 41 Measuring Equipment

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Pressure measuring and control instruments	411124	GPS1	Good	Instruments used to measure and control pressure.
Depth gauges	41112401	GS27	Good	(Depth controller) A device used in acquisition of marine seismic data that keeps streamers at a certain depth in the water.
Manostats	41112402	G966	Good	Devices that automatically maintain constant pressure within an enclosure
Pressure indicators	41112403	GOS8	Good	Instruments that determine the measurement of pressure within gases and liquids
Pressure regulator	41112404	G262	Good	A device for controlling inlet pressure designed to adapt to a varying input conditions
Pressure or vacuum recorders	41112405	GLL8	Good	Probed meters for logging the current pressure in a system
Vacuum gauges	41112406	GOEK	Good	A device used to measure pressure. Many different types of vacuum gauges have been developed for use in well testing over the years.
Liquid level controls or instruments	41112407	G5KS	Good	Readout and input devices for measuring the depth at which the first liquid is found in a well
Pressure intensifiers	41112408	G38O	Good	A device that amplifies the pressure of a lower pressure ranged pump
Pressure scanners	41112409	G757	Good	A device used to measure a variety of pressures across orifices
Pressure transmitters	41112410	GDS6	Good	A device for pressure measurement of gases or liquids
Pressure controllers	41112411	G7BX	Good	Electronic controllers which quickly and automatically provide a pressure based on a supply pressure.

Pressure gauge	41112412	GBYF	Good	An instrument used to measure pressure.
Differential pressure gauge	41112413	GI8Z	Good	A measurement instrument designed to measure the difference between two pressure sources.
Pressure calibrator	41112414	G52C	Good	A type of device that is designed to test the capability of device that measures pressure and the normal operation thereof.
Warburg apparatus	41112415	G272	Good	An apparatus that is designed to measure the breathing volume or pressure of cell as the process of obtaining the energy by oxidizing the organic substance from the bodily tissue and cell as Warburg developed.
Bursting pressure tester	41112416	GNII	Good	A tester that is designed to measure and test the destruction pressure within the permitted range of container that takes certain pressure, such as liquefied petroleum gas (LPG) container, glass bottle for carbonated drink and others.
Vapor pressure measuring instrument	41112417	G4GZ	Good	An instrument that is designed to measure the vapor pressure of gasoline volatile crude oil, volatile and non-viscous fuel oil or liquefied petroleum gas.
Capillary pressure tester	41112418	G10X	Good	A tester that measures the capillary tube pressure of air and water, water and oil, or 3 or more fluids.
Cigarette filter draw resistance meter	41112419	GL47	Good	A meter that measures the air suction resistance of the finished and semi-finished filter products and measures the air suction resistance of cigarette. It measures the pressure difference when the air flow speed is set for 17.5mL/s.
Pressure drop gauge	41112420	G0UD	Good	Equipment that is used when the pressure is lowered to make the pressure condition fit to the experiment.
Fruit hardness tester	41112421	G7QA	Good	A tester that is designed to measure the resistance on the pressure of the fruit skin for quality management or confirmation on the level of ageing on fruit.

Hydraulic pressure tester	41112422	GKF8	Good	A device that tests the durability by applying the water pressure when confirming the condition of instrument, such as water pipe, tank, boiler, high pressure gas container and others with the applied pressure.
Pressure altimeter	41112423	GE90	Good	A meter which measures the altitude by using the pressure difference of atmosphere.
Liquid and gas flow measuring and observing instruments	411125	GJ83	Good	Instruments used to measure liquid and gas flow.
Flowmeters	41112501	G19V	Good	Devices installed in a pump manifolds or treating lines to measure the fluid flow rate. Flowmeters can be used to measure the flow rates of liquid or gas and are available in various configurations and with differing operating principles.
Rheometers	41112502	GMAY	Good	Devices used to measure the way in which a liquid, suspension or slurry flows in response to applied forces.
Rotameters	41112503	G00X	Good	A device that measures the flow rate of fluid in a closed tube.
Water meters	41112504	GK3J	Good	A device for determining the water holdup in a producing well by measuring the capacitance or impedance of the fluid
Water meter spares	41112505	G026	Good	Additional water meters intended to be used in the event that the initial water meter is compromised
Venturis	41112506	GDO7	Good	A short piece of narrow tube between wider sections for measuring flow rate or exerting suction
Gas gauges	41112508	GX82	Good	A gas gauge is used to measure the volume of fuel gases, such as natural gas and liquefied petroleum gas; gas gauges measure a defined volume, regardless of the pressurized quantity or quality of the gas flowing through.
Air velocity and temperature monitors	41112509	GVJ3	Good	Also referred to as anemometers, these devices measure the velocity of the flow of a gas or liquid as well as the temperature of the flow

Sight flow indicators	41112510	GJKD	Good	A device installed into a pipe to provide a visual of verifying liquid flow for direction and accurate flow rate. Sight flow indicators allow operators to observe the color and clarity of liquids through a window.
Sight flow windows	41112511	GH01	Good	The opening of a sight flow indicator that allows operators to view the liquid.
Flow computers or totalizers	41112512	GX7K	Good	Devices that utilize positive displacement to calculate and regulate flow digitally through a variety of orifices
Orifice plate	41112513	GHZT	Good	A device used for measuring flow rate, for reducing pressure or for restricting flow (in the latter two cases it is often called a restriction plate ).
Oil gauges	41112514	GB2A	Good	Electronic or fiber optic sensors that provide continuous monitoring of downhole pressure and temperature. The information obtained from these monitoring devices can be used to model reservoirs or predict the life or problems in a specific wellbore.
Flow transmitters	41112516	GZ37	Good	Shuttle, differential pressure, and calorimetric sensors with electrical transmission output for remote indication of liquid flow rate.
Optical flowmeter and accessories	41112517	G926	Good	Apparatus for measuring the flow rate of gas, and other flowing materials with the help of an optical laser base probe.
Pump efficiency testing equipment	41112518	GANR	Good	Equipment that inspects the pump efficiency. It uses the thermal dynamics method and flux to measure.
Pitot gauge	41112519	G836	Good	Measuring equipment which is designed to measure the discharge water volume in the fire extinguishing facilities, such as indoor and outdoor fire hydrants and others.
Fire pump flow meter	41112520	G957	Good	A flow meter which is installed to confirm the amount of rated flux by undertaking the operation and capability tests for rated load of fire extinguishing pump at the time of installing the pump and regular inspection.

Calibration column	41112521	GUN9	Good	The calibration column is designed specifically for use in determining flow rates of chemical metering pumps. Pump flow rate verification on periodic basis or after maintenance is important to system accuracy.
Water meter tester	41112522	GL40	Good	Tester which measures the volume of water supply coming out of faucets or pipes and checks whether or not the water meter works properly.
Gas analyzers and monitors	411131	GM1D	Good	Analyzers and monitors used on gas.
Automotive exhaust emission analyzers	41113101	GQM0	Good	An instrument for the measurement of carbon monoxide among other gases in the exhaust, caused by an incorrect combustion, the Lambda coefficient measurement is the most common.
Catalytic combustion analyzers	41113102	GMD7	Good	Devices implemented to determine the concentration of a combustible component of a gas mixture containing an excess of oxygen by measuring the temperature rise caused by combustion at the surface of a catalyst.
Chemical absorption gas analyzers	41113103	GC1B	Good	Systems wherein in the components of a gas mixture are absorbed one after another by different reagents. Automatic gas analyzers continuously measure some physical or physiochemical property of a gas mixture as a whole or of its separate components.
Explosimeters	41113104	GOP2	Good	An explosimeter is a gas detector which is used to measure the amount of combustible gases present in a sample. When a percentage of the lower explosive limit (LEL) of an atmosphere is exceeded, an alarm signal on the instrument is activated.
Hydrocarbons analyzers or detectors	41113105	GU0R	Good	A sensor that continuously monitors combustible gases and vapors within the lower explosive limit (LEL) and provides alarm indication.

Infra red or ultra violet absorption analyzers	41113106	GX9H	Good	Devices that measure trace gases by determining the absorption of an emitted infrared light source through a certain air sample. Trace gases found in the Earth's atmosphere get excited under specific wavelengths found in the infrared range.
Nitrogen gas analyzers	41113107	GIW5	Good	An analysis tool that determines the quantity of nitrogen in a gas sample by passing the sample through the head of a chromatographic column by carrier gases.
Nitrogen oxide analyzers	41113108	G302	Good	A device that monitors and measures the concentration of nitrogen oxide in a sample. Often facilitated by a CLD. Output voltage caused by the reaction of nitrogen oxide and ozone is proportional to the concentration of nitrogen oxide.
ORSAT equipment	41113109	G0EU	Good	Laboratory equipment used to analyze a gas sample for its oxygen, carbon monoxide and carbon dioxide content. Although largely replaced by instrumental techniques, the Orsat remains a reliable method of measurement and is relatively simple to use.
Oxygen gas analyzers	41113110	G2C7	Good	Devices used for measuring the oxygen concentration of certain gas mixes. laboratory equipment used to analyze a gas sample (typically fossil fuel flue gas) for its oxygen, carbon monoxide and carbon dioxide content.
Ozone analyzers	41113111	G309	Good	Devices that pass ozone particles through ultraviolet light with a wavelength of 254 nm. The amount of UV light absorbed is proportional to the amount of ozone present in the sample.
Paramagnetic susceptibility analyzers	41113112	G310	Good	A device used to determine the Para magnetism of a sample; that is, the weak, potentially temporary attraction elements of the sample may have to the poles.
Sulfur dioxide analyzers or detectors	41113113	G0Y6	Good	Devices used to detect, measure, and analyze sulfur dioxide in a sample. A common method of measurement is titration of sulfur dioxide away from sulfuric acid.

Thermal conductivity analyzers	41113114	G9P3	Good	Also known as a Katharometer, a device that senses changes in the thermal conductivity of the column effluent and compares it to a reference flow of carrier gas.
Radon detectors	41113115	GZD3	Good	The variety of methods for detecting radon, including scintillation cells, ionization chambers, the electrostatic collection of decay products, charcoal detectors, electret ion chambers, and etched track detectors.
Gas detector tubes	41113116	G9TD	Good	Graduated glass tubes filled with chemical reagents that will produce color changes when exposed to the gas in question. They are used with a hand pump that will draw a samples into the tubes.
Single gas monitors	41113117	GJP2	Good	Equipment used to detect a gas leak or other emissions and can interface with a control system so a process can be automatically shut down. Gas detectors can be used to detect combustible, flammable and toxic gases, and oxygen depletion.
Multi gas monitors	41113118	G0PR	Good	Equipment used to detect a gas leak or other emissions and can interface with a control system so a process can be automatically shut down. It uses a variety of methods to maintain & analyze concentration levels of multiple gases in a single system.
Dissolved carbon dioxide analyzers	41113119	GHCL	Good	A device that separates carbon dioxide from a sample in water and subsequently calculates the volume of carbon dioxide in the sample.
Carbon monoxide analyzer	41113120	GTZ4	Good	An instrument used to measure carbon monoxide(CO) in gas.
Vehicle vapor gas analyzing system	41113121	GV8P	Good	A type of device that is used to measure the evaporated gas of vehicle and it enables the hot soak test, retention test, background test and others.
Olfactometer	41113122	G77E	Good	A type of experiment device for laboratory that seeks the applicable dilute magnification by diluting until no more sense of odor.

Smoke tester	41113123	G028	Good	A tester that measures the volume of smoke generated from the process of experimenting the chemical reaction in a laboratory.
Respirometer	41113124	G5XC	Good	A type of device that is designed to measure the discharge gases that are released to outside of body through the chemical change of substance within the body & building up the oxygen volume supplied from outside to sustain the plant or animal life.

## 47 Cleaning Equipment and Supplies

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Water Treatment and Supply Equipment	471015	G2M3	Good	Water treatment and supply equipment is machinery and equipment used in a wastewater treatment plant used to remove contaminants from wastewater. Examples of machinery and equipment are pipes, pumps, valves, screens etc.
Water Treatment and Supply Equipment - Oil and Gas Industry	471015.100	GV8E	Good	Devices used in any process that makes water more acceptable for a specific end-use.
Activated carbon equipment	47101501	G26O	Good	Devices used with activated carbon. Physical adsorption is the primary means by which activated carbon works to remove contaminants from liquid or vapor streams.
Ammonia removal equipment	47101502	GRFG	Good	Devices used with the removal of ammonia from waste gases.
Carbon filtration equipment	47101503	GBB8	Good	Devices used with the method of filtering that uses a bed of activated carbon to remove contaminants and impurities, using chemical adsorption.
Bacterial removal equipment	47101504	G4SM	Good	Devices used in the removal of bacteria.
Chlorine handling equipment	47101505	G3YV	Good	Devices used in the aid of handling chlorine.
Corrosion control equipment	47101506	GTB0	Good	A device implemented in various fields to control corrosion.
Grit chambers	47101507	G1WI	Good	Basins used to remove the inorganic particles to prevent damage to the pumps, and to prevent their accumulation in sludge digesters.

Desalination equipment	47101508	GGPC	Good	A device used in the removal of salts and minerals from a target substance.
Fluoridation equipment	47101509	G5AI	Good	A device used in testing of the water supply for fluoride and adjusting it to the right amount.
Iron removal equipment	47101510	GXJ4	Good	Devices used along with various means of oxidation is the most common method of iron removal.
Ion exchange equipment	47101511	GC08	Good	A device that adjusts the ionic content of water.
Mixers or agitators	47101512	G4YS	Good	An apparatus for stirring liquid.
Oxygen generators	47101513	GVA9	Good	A device which concentrates the oxygen from a gas supply (typically ambient air) to supply an oxygen-enriched gas stream.
Water purification equipment	47101514	GUZO	Good	Devices that makes water more acceptable for a specific end-use by removing undesirable chemicals and contaminants.
Turbidimeters	47101516	GZT9	Good	Instruments used for measuring the turbidity of a liquid suspension, usually as a means of determining the surface area of the suspended particles.
Ultraviolet disinfection equipment	47101517	G395	Good	Device that uses short-wavelength ultraviolet (UV-C) light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.
Water conditioners	47101518	GS5O	Good	Devices used in removing or altering minerals, chemicals, and contaminants from a water source.
Water softening accessories	47101519	G13X	Good	Components and parts used with sodium-based compounds that are very soluble, precipitates formed by hard water can be eliminated.
Ultrafiltration equipment	47101521	GIR2	Good	A variety of membrane filtration in which forces like pressure or concentration gradients lead to a separation through a semipermeable membrane.
Packaged water treatment systems	47101522	GNL4	Good	Transportable sets of equipment used to clean water for various uses.
Collection tanks	47101523	G1V0	Good	Basins or other containers used to hold liquid materials for storage purposes.

Sludge or sewage composting equipment	47101524	GB37	Good	Devices used to process waste products into compost that can be used for growing or other uses.
Dewatering equipment	47101525	GJE0	Good	A device used to remove water build up from producing gas wells.
Sludge pelletizers	47101526	G154	Good	Devices used to process and separate sludge waste products into pellets or small pieces.
Sludge shredders	47101527	G204	Good	Devices used to reduce the size of waste products so that they can be processed further or removed easier.
Water treatment dryers	47101528	GXC5	Good	Devices used to remove excess water from chemicals and other materials.
Incinerators	47101529	G353	Good	Devices used to burn waste materials to remove unwanted organic matter or poor odors.
Odor control equipment	47101530	GD28	Good	Devices used to cover or cure waste products in order to decrease or remove their poor odors.
Septic tanks	47101531	G86L	Good	Watertight chambers made of concrete, fiberglass, PVC or plastic, through which domestic wastewater (sewage) flows for primary treatment.
Settling tanks	47101532	G4LT	Good	Drilling, mud-filled, open steel or earthen berm tanks that are not stirred or circulated. By having mud slowly pass through such a container, most large drilling solids sink to the bottom, cleaning the mud somewhat.
Lift stations	47101533	GYL0	Good	Facilities designed to move wastewater from lower to higher elevation, particularly where the elevation of the source is not sufficient for gravity flow.
Sewage distributors	47101534	G403	Good	Devices used to transport and move sewage from place to place.
Sludge disposal equipment	47101535	GD42	Good	Devices used to dispose of sludge, a waste product in the crude oil purification process.
Sludge collectors	47101536	G703	Good	Pipes and other equipment that use suction to remove settled solids in basins and other containers.
Sludge conditioning equipment	47101537	GJ13	Good	A device used to assist water loss during a mechanical drying process.

Sludge or sewage digesters	47101538	GFD1	Good	Chemicals with microorganisms that breakdown biodegradable materials in waste sludge or sewage.
Sludge or sewage removal equipment	47101539	G3DV	Good	Devices used to remove waste products that are removed from crude oil and other chemicals.
Chemical feeder	47101540	GZRB	Good	The equipment used to feed a proper amount of chemicals such as coagulant and coagulant aids according to water quality or water flow in treatment of water supply and industrial water.
Ozone water treatment equipment	47101541	G4RT	Good	The equipment used to treat and remove impurities from wastewater by using oxidation of ozone.
Air flotation equipment	47101542	GO51	Good	A water treatment device or equipment used to purify waste water by releasing tiny bubbles at suspended matters to float to the surface of the water.
Surface aerator	47101543	G6IM	Good	A device used to provide air to aerated basins. Electrically powered rotors are submerged in the water to provide air to the water by stirring the water surface with rotation power.
Air diffuser for sewage treatment	47101544	GI48	Good	A device used to provide air to the water needed for sewage treatment process.
Rotating biological contactor RBC	47101545	G001	Good	A device that disintegrates and processes the impure substances in waste water by delivering the oxygen in the air when it is exposed to the atmosphere and consuming the organic material by the inorganic materials when the circular plate is rotated.
Grit removal system	47101546	G4LI	Good	A type of device that gathers the sand and soil piled up on the grit chamber and releases to outside.
Surface washing device	47101547	GO7W	Good	A type of device that gushes out the high pressure water on the surface of the filter sand in the water treatment facilities for removing the foreign substance precipitated on the surface of filter paper.
Filter control console	47101548	G07H	Good	A type of device that precisely finds out the functional condition of the filter paper and automatically controls.

Gravity filter	47101549	G0KS	Good	A type of equipment that is designed for fast filtering of the discharged water by the gravity not filtered on the filter paper opened.
Compression filter	47101550	GK4H	Good	A type of equipment that is to filter the discharged water by penetrating the filter water by applying the water pressure by closing the filtering device.
Up flow filter	47101551	G1SI	Good	A filtering device that has the natural water flowing into the lower part of the tank and filtered to upper direction, and when filtered, the foreign substance arrested is lifted up by the air to release outside.
Moving bed filter	47101552	GL41	Good	A device that scratches out the sand filtered surface attached with the suspended solid in the waste water and it is supplied to the lower part of the filtering layer after washing or new sand is sent to the filter layer in proportion from the top.
Fiber filter	47101553	G22F	Good	A device that uses the handle-shape textile as the filter media to arrest the pollutant substance to the air gap of the textile tissue to make the filtered water clearly purified and the arrested pollutant substance is released to the outside.
Jar tester	47101554	GS63	Good	A type of device that is designed to test the cohesive force and others in the sample when injecting the test chemicals to the waste water at the time of disposing the waste water.
Baffle wall	47101555	G1MY	Good	A structure that maintains the balance of flow speed and protects the floc generated from the cohesive area for the improvement of the adjustment of natural water volume and the sedimentation efficiency during the water purification process.
Water trough	47101556	GK1F	Good	A type of channel-type water holder that releases the upper water with the sedimentation of suspended solid from the settling pond or releases the washing water with the backwashing of filter layer from the filter paper.

Inclined plate settler	47101557	G173	Good	A facility that is designed to have high sedimentation effect in short period of time by shortening the sedimentation distance in the pond of sludge by installing several sloped plate.
Foam breaker	47101558	GY1I	Good	A device that sprays and ejects water with a nozzle that is installed at a certain distance from the water surface to remove the foam.
Scum removal equipment	47101559	GJGR	Good	A type of device that prevents the mixture to the discharged water by removing the scum on the water surface arising from settling pond, digester or others.
Filter underdrain equipment	47101560	GVQ8	Good	A structure that improves the equal filtering and backward flow functions in the rapid filtration.
Adulteration treatment equipment	47101561	GBQ8	Good	A device that is released and removed by moving and dehydrating with the screw press after filtering and separating from the rotary drum screen for the adulteration that is included in the night soil, sewer water, waste water on livestock and others.
Drum screen	47101562	GP80	Good	A facility that is made to have the pollutant water with solid matter to flow in to the drum-type rotating screen inside that has the water passes the screen to purify while the solid matter are filtered through the screen to be discharged.
Wastewater coalescer	47101563	GHAW	Good	A type of device that separates in accordance with the specific gravity difference by assembling of finite oil particle blended in the emulsion condition in the waste water by consecutively condensed to submerge or emerge.
Waste crusher	47101564	GAT0	Good	A type of device that crushes the ones that could be crushed with the blade crusher, such as Styrofoam, wooden material, and others, from the waste product arising from the waste substance with the size fit for the processing use.

Waste gas burner	47101565	GOI0	Good	A device that uses the methane gas generated from the process of water purification and waste water disposition to use for fuel in boiler and others, and this device completely combusts the surplus gas after the fuel use.
Multiple media filter	47101566	G4IP	Good	A filter that is blended two or more of filter medias like the filter sand, anthracite, zeolite, active carbon, or sand for use.
Electrodialysis machine	47101567	GS50	Good	A device that separates the substance in waste water by electrically moving through the ion exchange membrane.
Swimming pool cleaning unit	47101568	G320	Good	An integrated facility that is composed with a series of equipment used for re-supply with clean water by processing for filtering, sterilization, acidity control and others.
Wastewater plane screen	47101569	G182	Good	A facility that prevents the inflow or outflow of miscellaneous floating materials by installing on the entry part of the intake or grit chamber, the outflow part of the drainage pump facilities.
Oxidation ditch	47101570	GSE8	Good	A bio-chemical reactor that disassembles the polluted substance by supplying the oxygen with the mechanical aerator to the elliptical reaction vessel.
Chlorine gas neutralization unit	47101571	GZ09	Good	A device that neutralizes the chlorine gas by operating the ventilator that absorbs the gas and the circulating pump that sprays the neutral liquid simultaneously with the warning of gas leakage when leaking the chlorine gas.
Disc screen	47101572	GZF2	Good	A type of device that releases the solid matter to be screened while the flowing water passes to the rotating and empty disc-type of screen to purify.
Flocculator	47101573	G2WZ	Good	A facility that makes the slow agitation to make the sedimentation easier by growing the finite floc into the larger floc.

Sequencing batch reactor	47101574	GAP2	Good	A device that processes the polluted substance by implementing repeatedly for the processing like the inflow and reaction within a batch reactor, release of sludge and supernatant and sedimentation of mixed liquid.
Water Treatment Consumables	471016	GCG2	Good	Water treatment consumables are substances that prevent or reduce water pollution by acting directly on the water to remove or alter an impurity in the water. Examples of water treatment consumables include chlorine used to kill bacteria.
Water Treatment Consumables - Oil and Gas Industry	471016.100	GY7M	Good	Components of an end product used up or permanently altered in during water treatment.
Algaecides	47101601	GYON	Good	Chemicals that kill and prevent the growth of algae.
Antiscalants	47101602	GTBG	Good	Chemicals that prevent and breakdown solids that build up over time from compounds in water.
Descalers	47101603	GY99	Good	Chemicals used to remove hard deposits formed by compounds in water.
Boiler feed chemicals	47101604	G269	Good	Chemicals used to control the acidity and prevent scaling of water used in a boiler.
Bacterial removal chemicals	47101605	GZ11	Good	Chemicals used to kill bacteria in water that otherwise could damage chemicals used in the drilling process and plug up drilling formations.
Corrosion control chemicals	47101606	GZ64	Good	Chemicals used to prevent or considerably reduce the effects of corrosion, the loss of metal due to chemical or electrochemical reactions, which could eventually destroy a structure.
Odor control chemicals	47101607	GI06	Good	Chemicals used to cover or cure waste products in order to decrease or remove their poor odors.
Flocculents	47101608	GSY9	Good	Substances that promote the clumping of particles, especially one used in treating waste water.
Microbiocides	47101609	GEC1	Good	Any biocidal compounds or substances with the purpose of reducing the infectivity of microbes, such as viruses or bacteria.

Water softening compounds	47101610	GWIR	Good	Sodium-based compounds are very soluble, precipitates formed by hard water can be eliminated. In a water softener, ion exchange occurs as the water runs through a bed of small plastic resin beads which are saturated with sodium ions.
Demulsifiers	47101611	GDGV	Good	A chemical used to break emulsions. Demulsifiers are used in the chemical analysis of oil and synthetic muds and to treat produced hydrocarbons. The type of demulsifier selected depends on the type of emulsion, either oil-in-water or water-in-oil.
Polyelectrolytes	47101612	G6PG	Good	Polymers that have several ionizable groups along the molecule, especially any of those used for coagulating and flocculating particles during water treatment or for making electrophoretic gels.
Buffer solutions	47101613	G64L	Good	Solutions that resist changes in pH when acid or alkali is added to it. Buffers typically involve a weak acid or alkali together with one of its salts.
Sludge bulking agent	47101614	G298	Good	A chemical agent or diluting agent that is designed to adjust the sludge swelling by oxidizing agent processing, cohesive agent processing, adjustment of slurry return rate, biologic selector operation, biologic treating agent injection and others.
Water fluoridation chemical	47101615	GRNW	Good	A chemical product injected from the water purification facility in order to adjust for appropriate concentration of fluorine ion of tap water.

## 71 Mining and Oil and Gas Services

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Oil and gas exploration services	7111	S21I	Service	Oil and gas exploration services

Cased hole well logging services	711120	SMG3	Service	Services performed during oil and gas exploration that involves retrieving logging measurements through the well casing, or the metal piping that is inserted into the well during completion operations. A provision of service not the transfer of TPP.
Cased hole formation sampling testing services	71112001	SD1M	Service	Services to acquire data that provides samples of the formation used to predict solids properties, such as asphaltenes, wax and hydrates, which need specific facility handling, separation and disposal through a cased hole.
Casing thickness measurement services	71112002	SRW6	Service	Includes mechanical casing inside diameter measurement, electromagnetic casing thickness measurement. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Chemical cutters services	71112003	SOX3	Service	Services to use chemical cutters to cut coiled-tubing, tubing, casing, and drill-pipe & other tubulars. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Electromagnetic pipe recovery services	71112004	SH8F	Service	Services to run on wireline into the wellbore and inside the fishing string and fish to locate the area where a fish is stuck by analyzing the difference between the electromagnetic fields of free pipe & stuck pipe to locate the free-point indicator.
Well flow measurement services	71112005	S512	Service	Services to measure the well production or injection rate. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well fluid density measurement services	71112006	S248	Service	Services to measure the density or changes in density in production or injection wells. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fluid temperature measurement services	71112007	S4MY	Service	Measurements of temperature of well fluids. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Free point tool services	71112008	SJ91	Service	Services to free stuck drill pipe, drill collars, tubing or casing using a free point tool. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gamma ray services	71112009	SA92	Service	Services used to measure the amount of gamma rays produced in an area. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Jet cutter services	71112010	S01P	Service	Services to sever downhole coiled-tubing, tubing, drill pipe, or casing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Measurement while perforating services	71112011	S0DB	Service	Services used to evaluate formation or production while performing perforating services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Neutron porosity services	71112012	S175	Service	Measurement of either thermal or epithermal neutron detection to determine the porosity in a borehole. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Nuclear spectroscopy services	71112013	SE7M	Service	Services to acquire data through the use of nuclear spectrometers to determine downhole conditions. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well packer services	71112014	S0Q9	Service	Permanent and removable packers mechanical, hydraulic, wireline, multistring and feed through sealbore. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Permanent magnets pipe recovery services	71112015	SU18	Service	Services using permanent magnetic treatment used for coping with complications caused by emulsion formation, salt precipitation and asphalt and paraffin precipitation. A provision of service where transfer of TPP is not the primary intent.
Well pressure measurement control services	71112017	SI2T	Service	Downhole pressure monitoring while drilling, pressure management including pore pressure prediction, wellbore stability, ECD management, vibration monitoring and control. A provision of service where transfer of TPP is not the primary intent.
Production logging borehole fluid measurement services	71112018	SLS8	Service	The recording of pressure, temperature and fluid-flow parameters. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Production logging density measurement services	71112019	S88G	Service	The recording of fluid density. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Production logging downhole video services	71112020	S3YR	Service	Services to provide video cameras to assist in production logging and diagnosing problems. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Production logging flow measurement services	71112021	S6WD	Service	Measurements that describe the nature and behavior of fluids in or around the borehole during production or injection. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Production logging pressure measurement services	71112022	SS13	Service	Measurements that describe the pressure in or around the borehole during production or injection. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other production logging services	71112023	S295	Service	General production logging services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Production logging temperature measurement services	71112024	SH17	Service	Measurements that describe the temperature in or around the borehole during production or injection. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Severing colliding services	71112025	SWQF	Service	Use of an explosive tool to cut the outer casing or sea riser casing, to recover the remaining part of the casing in the water column. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Well logging acoustic services	71112026	SBWY	Service	Services to measure pore pressure, seismic time-depth correlation, bit wear predictions and shear wave. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Stuck point tool services	71112027	ST8B	Service	Services to remove drill stem, tubing, or casing which is stuck. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Thermal decay well logging services	71112028	S04R	Service	Services to measure the rate of thermal neutron absorption. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well tubular corrosion evaluation services	71112029	S2GV	Service	Evaluation and analysis of tubular corrosion. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well performance services	71112030	SC79	Service	Services to optimize performance of a well which may include: electronic memory and mechanical instrumentation services production logging tools, slickline detonating systems, and tubing/casing calipers.
Well tubular services	71112031	S2X1	Service	Includes repair of tubular services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Open hole well logging services	711121	SOSP	Service	Services performed during oil and gas exploration that refer to logging operations that are performed on a well before the wellbore has been cased and cemented. In other words, the logging is done through the bare rock sides of the formation.

Digital acoustic logging services	71112101	S279	Service	Services to determine formation lithology, porosity and fluid characteristics using acoustic methods. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Borehole geometry logging services	71112102	S2KQ	Service	Logging to measure the geometry of a borehole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Density lithology nuclear logging services	71112103	S3Y5	Service	Measurements of the macroscopic content of minerals. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Dipole acoustic logging services	71112105	SB43	Service	Using two poles of opposite polarity to generate a field, for excitation and detection of shear waves. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Directional logging services	71112106	SPZ3	Service	Services for directional logging. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Directional survey services	71112107	S703	Service	Measurements while drilling used to update the map & reduce the risk of collision with existing wells. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Electromagnetic propagation logging services	71112108	SV58	Service	Using electromagnetic propagation to measure formation resistivity. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Formation testing sampling services	71112109	S4E2	Service	Services to collect formation-fluid samples. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Fracture identification logging services	71112110	SLHV	Service	Service to identify the location of fractures. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gamma ray logging services	71112111	SRT8	Service	Measurement of the natural, or in some cases introduced, radioactivity in a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gamma ray spectroscopy logging services	71112112	S8HB	Service	Measuring the spectrum, or number and energy, of gamma rays emitted as natural radioactivity by the formation. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Geochemical nuclear logging services	71112113	S98W	Service	Natural and induced-gamma spectrometry methods are used to measure elemental abundances. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well imaging services	71112114	S7Q1	Service	Service to acquire high-resolution resistivity images. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Magnetic resonance logging services	71112115	SAJ4	Service	Measurements of porosity, fractional volumes of bound and moveable fluids, and formation permeability. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Microresistivity logging services	71112116	S1WH	Service	Measuring the differences in resistivity of the formation at the borehole face and presenting vertical and lateral resolution information as computer-processed pseudo-images. A provision of service where transfer of TPP is not the primary intent.
Neutron porosity logging services	71112117	S24C	Service	Use of neutron porosity logging to identify zones of porosity. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Resistivity logging services	71112119	S477	Service	Use of neutron porosity logging to identify zones of porosity. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slim access acoustic logging services	71112120	SBF2	Service	Acoustic logging through slim hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acoustic cement bond ratio logging services	71112121	SE6R	Service	Acoustic logging to provide representation of the integrity of the cement job. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well acoustic imaging services	71112122	S94I	Service	Acoustic data imaging services for geological evaluation services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Formation dip direction and angle logging services	71112123	SDIQ	Service	Services to determine the direction and angle of formation dip in relation to the borehole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other logging services	711122	SAY1	Service	Services performed during oil and gas exploration. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Logging while drilling services	71112202	S1S0	Service	Well seismic data is recorded during the excavation of the hole, or shortly thereafter, through the use of tools integrated into the bottomhole assembly. A provision of service where transfer of TPP is not the primary intent.
Logging during fishing services	71112203	S91T	Service	Well seismic data is recorded during removal of fish. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Logging while perforating services	71112204	SYE9	Service	Well seismic data is recorded during perforating services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Drill pipe conveyed well services	71112205	S812	Service	Well seismic data is recorded from within the drill pipe. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
General well logging services	71112206	SA74	Service	General services around recording of well data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Seismic services	711123	SH7O	Service	Services performed during oil and gas exploration pertaining to waves of elastic energy, such as that transmitted by P-waves and S-waves, in the frequency range of approximately 1 to 100 Hz.
2d/ 3d/ 4d land seismic acquisition services	71112301	S41M	Service	Services to acquire 2/d, 3/d, 4d land seismic data, includes speculative seismic data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
2d/ 3d/ 4d marine seismic acquisition services	71112302	SSBR	Service	Services to acquire 2/d, 3/d, 4d marine seismic data, includes speculative seismic data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
2d/ 3d/ 4d seismic data processing services	71112303	SL16	Service	Services to process 2/d, 3/d, 4d seismic data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
2d / 3d/ 4d seismic data interpretation	71112322	S06I	Service	Services to provide reports, reservoir attributes, visualization theatre, and workstations. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well velocity survey services	71112323	SQW8	Service	Measurements used to determine average velocity of a well including using a check shot survey, modeling, vertical, walkaway, geological, slim hole. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Other seismic services	71112324	S6T1	Service	Quality control, gravity surveys, magnetics, data management, data recovery, data transcription, navigation data processing, data brokerage. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Borehole seismic land acquisition services	71112325	SGF2	Service	Includes checkshot, cross well, deviated and slim hole, rig source, offset source, walkaway, salt proximity, microseismic fracture monitoring, 3d, 4dvsp. A provision of service where transfer of TPP is not the primary intent.
Borehole seismic marine acquisition services	71112326	SYB4	Service	Includes checkshot, cross well, deviated and slim hole, rig source, offset source, walkaway, salt proximity, microseismic fracture monitoring, 3d, 4dvsp. A provision of service where transfer of TPP is not the primary intent.
Borehole seismic processing services	71112327	S94J	Service	Services to design and process borehole seismic data. Includes survey design and integration of borehole and surface seismic data. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Borehole seismic monitoring acquisition services	71112328	S66X	Service	Permanent or semi-permanent receiver placement borehole seismic services for long term reservoir monitoring of microseismic data. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Borehole seismic while drilling acquisition services	71112329	S1J9	Service	The acquisition of seismic data measured with receivers, sources or both in a well, such as a check-shot survey, vertical seismic profile (VSP), crosswell seismic data or single-well imaging.
Simultaneous borehole and surface seismic acquisition services	71112330	S805	Service	Services to acquire 2d, 3d, 4d surface seismic and borehole seismic data simultaneously. Land or marine.
Well drilling and construction services	7112	S224	Service	Well drilling and construction services
Cement pumping services	711210	SOON	Service	Well drilling and construction services performed downhole. The services uses a high pressure pump to force cement down the casing into the annular space between the casing and the wall of the borehole. A provision of service not the transfer of TPP.

Oilfield casing hardware services	71121001	S704	Service	Services related to installing equipment attached to, and run with, the casing string. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield cement lab testing services	71121002	SLR4	Service	Oilfield cement lab testing services are cement pumping services performed during well drilling and construction. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilwell lost circulation services	71121008	S563	Service	A service performed to control a loss of drilling fluid to a formation, usually caused when the hydrostatic head pressure of the column of drilling fluid exceeds the formation pressure. A provision of service not the transfer of TPP.
Oilfield mud removal services	71121009	S970	Service	A service performed to remove unwanted drilling-fluids as prerequisite for primary cementing success. Mud left in the wellbore can prevent development of a hydraulic seal. A provision of service where transfer of TPP is not the primary intent.
Plug cement services	71121010	S5N7	Service	Plug cement services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site pressure pumping services	71121011	SH5Z	Service	Well site pressure services using cement services equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield pressure testing services	71121012	SA0B	Service	Pressure testing services using cementing service equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Squeeze well cementing services	71121016	S161	Service	Services to perform squeeze cement operations. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well water control services	71121017	S115	Service	A treatment conducted within a reservoir or perforated interval to reduce water production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well cement evaluation services	71121018	SK87	Service	Cement evaluation service to measure the bond between the casing and the cement placed in the wellbore annulus between casing and wellbore. The measurement is made with acoustic sonic or ultrasonic tools.
Casing cement services	71121024	SWFV	Service	Cementing services performed through casing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other cementing services	71121025	SRIP	Service	Other cementing services including engineering, equipment rental, material sales, cementing personnel, grouting, pressure testing. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Coiled tubing services	711211	SZ50	Service	Services related to well intervention and new well completion for various types of wells. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acidizing through coiled tubing services	71121101	S36Y	Service	The pumping of acid into the wellbore through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Cable installation through coiled tubing services	71121102	SI0H	Service	Installation of cable through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Cementing through coiled tubing services	71121103	SYN3	Service	Service that pumps cement into the wellbore through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Chemical cutting through coiled tubing services	71121104	S3LP	Service	Service that makes a chemical cut through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Clean out through coiled tubing services	71121105	S03X	Service	The removal of wellbore-fill material through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Completion through coiled tubing services	71121106	SD79	Service	The use of oilfield hardware through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Conveying inflatables through coiled tubing services	71121107	SOI9	Service	The use of coiled tubing to convey inflatable packers. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Coring through coiled tubing services	71121108	SVTV	Service	Obtaining a core sample through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Extended reach well services	71121109	S2OL	Service	Performing extended reach well service through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Fishing through coiled tubing services	71121110	STAD	Service	The removal of junk, or unwanted debris from a wellbore through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Fracturing through coiled tubing services	71121111	SKV2	Service	Fracturing through coiled tubing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
High pressure coiled tubing services	71121112	S50M	Service	Applying high well treatments through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Horizontal isolation oilfield services	71121113	SOR8	Service	Performing of horizontal isolation services through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Logging with coiled tubing services	71121114	S8PG	Service	To record a measurement versus depth or time, or both, of one or more physical quantities in or around a well through coiled tubing. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Milling through coiled tubing services	71121115	SK92	Service	The use of a mill or similar downhole tool to cut and remove material from equipment or tools located in the wellbore through coiled tubing. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Nitrogen related applications through coiled tubing	71121116	SY86	Service	The use of nitrogen gas applications through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Perforating through coiled tubing services	71121117	SRNG	Service	Performing perforating services through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline or flow line laying services	71121118	SK6J	Service	Laying of pipeline or flowline with coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline intervention services	71121119	SR7P	Service	Performing pipeline intervention services through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Sand control through coiled tubing services	71121120	SLHN	Service	Perform sand control through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Abrasive tubular cleaning services	71121121	SAKW	Service	Performing abrasive tubular cleaning services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well kill through coiled tubing services	71121122	SJ07	Service	Performing well kill procedures through coiled tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Casing exit with coiled tubing services	71121123	S039	Service	Services to create a casing exit/window with coiled tubing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Coring services	711212	S0BV	Service	Services performed during well drilling and construction. Coring services are used to deepen the wellbore by way of collecting a cylindrical sample of rock. A provision of service where transfer of TPP is not the primary intent.
Conventional coring services	71121201	SNB8	Service	Services to remove core sample from the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Core isolation services	71121202	SOY6	Service	Services to isolate the core in order to bring to it the surface. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Core preservation services	71121203	S5SX	Service	Services to keep the core in the same state as when it was brought to the surface. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Horizontal coring services	71121204	SSS1	Service	Coring directionally, generally from length rather than depth of a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oriented coring services	71121205	S337	Service	Services to record the core orientation in relation to its original position in the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Core analysis service	71121206	S364	Service	Core analysis performed by provider at supplier location or on the job site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Sponge coring services	71121207	SE3S	Service	Services to expel fluids in the surrounding sponge material for analysis. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Wireline retrievable coring services	71121208	SLIC	Service	Coring samples that can be retrieved by a wireline. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Anti jamming system services	71121209	S748	Service	Services to reduce trips for core jamming, to improved coring efficiency. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Motor coring services	71121210	SRN0	Service	Services to improve rate of penetration. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Full closure systems services	71121211	STU9	Service	Services to insure maximum core recovery in unconsolidated formation. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling tool services	711213	STZ6	Service	Services performed utilizing various downhole tools, such as drill bits or motors, during well drilling and construction. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.

Downhole drilling vibration control services	71121301	S8Q4	Service	Services to suppress drill string vibration - drilling dynamics services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling borehole enlargement services	71121302	S58S	Service	Services to increase the size of the borehole part of directional or performance drilling services. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling reaming and gauge protection services	71121303	S9G0	Service	Services to increase the size of the wellbore part of directional or performance drilling services. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling torque or drag reduction services	71121304	S3L0	Service	Services to minimize torque or drag. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling stuck pipe alleviation services	71121305	SAXU	Service	Services to relieve drilling pipe stuck downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling tool repair services	71121307	S187	Service	Repair services for drilling tools. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole drilling stabilization services	71121309	S7B5	Service	Use of stabilizers such as roller reamers, hole openers, keyseat wipers, our proprietary design fixed blade hole opener, float valves, crossovers, non magnetic tools of all types, steerable tools, to keep flow rate and well pressures constant.

Blow out preventer BOP rental	71121310	SE6G	Service	Service to rent or lease blow out preventers and associated equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling bit services	711214	SXS0	Service	Services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling bit design services	71121401	SY15	Service	Bit engineering/design services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling bit hydraulic optimization services	71121402	SRXA	Service	Services to aid in the selection of the proper bit nozzle size to maximize hydraulic impact force or maximize hydraulic horsepower. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oilfield drilling bit planning services	71121403	SYQ7	Service	Services for pre-well and future well bit planning. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling bit recording services	71121404	SMI3	Service	Services to record seismic data through the drill bit. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling bit repair services	71121405	S880	Service	Maintenance and repair of drill bits. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield drilling bit footage contracts	71121406	SLP4	Service	Contracts for oilfield drilling bit footage where the contractor receives an agreed upon amount per foot of hole drilled. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Well site drilling optimization assistance service	71121407	SYZY	Service	Services to advise customers on procedures used to make a system or design used for drilling as effective or functional as possible. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Drill bit hydraulic lifting system services	71121408	SKG3	Service	Maintenance and repair of drill bit hydraulic lifting services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Drilling measurement services	711215	SM2Y	Service	Various services relating to drilling measurements performed during well drilling and construction. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acoustic measurement when drilling services	71121501	SQVM	Service	Using sound waves for measurement when drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acoustic telemetry when drilling services	71121502	S0YD	Service	Converting sound waves for transmission when drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Caliper measurement when drilling services	71121503	SX9S	Service	Use of caliper for measuring diameter of wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Density measurement when drilling services	71121504	SF90	Service	Measurement of the bulk density of the formation when drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield drilling performance services	71121505	S1IP	Service	Services to identify opportunities and implement plans for improved drilling performance. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Electromagnetic telemetry when drilling services	71121506	SVZO	Service	Remote measurement and transmission of electromagnetic data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Formation dip measurement when drilling services	71121507	S9U4	Service	How the dip is formed. The magnitude of the inclination of a plane from horizontal. True, or maximum, dip is measured perpendicular to strike. Apparent dip is measured in a direction other than perpendicular to strike. A provision of service.
Formation pressure measurement when drilling services	71121508	SD54	Service	Measurement of the bulk density of the formation when drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Geologically steered wells	71121509	SJ97	Service	The use of geological information to guide a well to its target, especially when the geology turns out to be different from that expected. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Geostopping services	71121510	SC90	Service	Bit resistivity measurement services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Mud logging services	71121511	S4D9	Service	Services for the analysis of materials brought to the surface during the drilling of an oil or gas well, and the analysis of certain mechanical and fluid parameters relating to the drilling process. A provision of service not the transfer of TPP.
Nuclear magnetic resonance services	71121512	SN5X	Service	Use of nmr to provide formation evaluation petrophysical data including porosity, irreducible water saturation, permeability, and grain-size and pore-size distribution. A provision of service where transfer of TPP is not the primary intent.
Porosity measurement when drilling services	71121513	S634	Service	Services to measure the openings in a rock, openings in which petroleum can exist. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Resistivity measurement when drilling services	71121514	SS0A	Service	The recording of the resistance of formation water to natural or induced electrical current. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well surveying management services	71121515	SO9N	Service	Services to provide surveillance of well data while drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Surveying wireline services	71121516	S80M	Service	Services for measurement of formation properties with electrically powered instruments to infer properties and make decisions about drilling and production operations. A provision of service where transfer of TPP is not the primary intent.

Oil well drilling services	711216	S9XY	Service	Various services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well casing crew service	71121601	ST11	Service	Personnel services to run casing into the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well casing planning services	71121602	S7S9	Service	Pre-well and future well casing requirements planning services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well casing milling services	71121603	SC8Y	Service	Services to cut casing while in the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Coiled tubing drilling services	71121604	SA1W	Service	Services using coiled tubing with downhole mud motors to turn the bit to deepen a wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well completion planning services	71121605	S97E	Service	Services to plan how to optimize the production of hydrocarbons from the well. Ranges from packer on tubing services above an openhole completion to a systems of mechanical filtering elements outside of perforated pipe to intelligent well completion.
Conventional well directional drilling services	71121606	S7P3	Service	Services to utilizing existing vertical wellbores from which to perform directional drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well directional drilling services	71121607	SR06	Service	Services to create a network of separate, interconnected wellbores to enable drainage of multiple target zones. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling contract development services	71121608	SVH8	Service	Services to help develop and structure a contracts for drilling a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling engineering services	71121610	S8N2	Service	Includes bit supervision, and evaluation or advise on bit application, mud engineering, directional drilling, mwd, wireline and surface logging advise, drilling performance optimization , planning, training, implementation or knowledge capture.
Well drilling mud or fluid services	71121611	S50O	Service	Services to include cleaning, filtration, mixing of mud or fluids. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling of water intake well services	71121612	SP90	Service	A well service performed during well drilling and construction for well drilling of water intake. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling rig monitor services	71121613	S9Z2	Service	Services to monitor any of the following: performance, conditions, pressure, density, rate and concentration, communications, data. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well drilling solids control	71121614	SK99	Service	Solids control is a technique used in a drilling rig to separate the solids in the drilling fluids that are crushed by the drill bits and carried out of the well surface.

Well drilling stabilizing or hole opening services	71121615	SQG5	Service	Services to stabilize the drill string while enlarging the borehole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling supervision	71121616	S8LV	Service	Labor to oversee drilling procedures. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling control services	71121617	S8NV	Service	A technique used in oil and gas operations, such as drilling, well workover, and well completions to maintaining the fluid column hydrostatic pressure and formation pressure to prevent influx of formation fluids into the wellbore.
Well drilling other general services	71121618	SFK5	Service	Includes h2s services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Extended reach directional well drilling services	71121619	SWUR	Service	Using a single platform or drilling pad to drill multiple wells in different directions or to different depths. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Multilateral directional well drilling services	71121620	S1UR	Service	Services to drill secondary wellbores away from the original hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil country tubular modification or testing services	71121621	ST45	Service	Services for hard banding, recutting, rethreading or refurbishment or testing for pressure or leaks in OCTG. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.

Well drilling pickup or laydown service	71121622	SZ8G	Service	Services to pickup and/or laydown casing and/or drill pipe at the rig site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling pipe storage	71121623	SU0E	Service	Storing of drilling pipe. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling pipe threading	71121624	S9QL	Service	Creating threads on drill pipe ends. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Rat hole well drilling service	71121625	ST9V	Service	Services to drill an extra hole drilled at the bottom of the hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Short radius directional well drilling services	71121626	S6B6	Service	Drilling wells which typically have a curvature radius of 20 to 45 feet, usually dug outwards from a previously drilled vertical well. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Steerable underreaming while well drilling services	71121627	S49Y	Service	Services using steerable tools to enlarge a wellbore past its original drilled size. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Ultra short radius directional well drilling services	71121628	S07W	Service	Drilling wells which typically have a curvature radius of less than 20 feet, usually dug outwards from a previously drilled vertical well. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Underbalanced well drilling services	71121629	SUQK	Service	Services to minimize formation damage by using one of the following techniques (1) lightweight drilling fluids, (2) gas injection down the drill pipe, (3) gas injection through a parasite string, and (4) foam injection.
Well planning services	71121630	SFY4	Service	Modeling, data and computer services used for well planning. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well redrilling or reworking services	71121631	SSC1	Service	Deepening of an existing oil well or otherwise drilling beyond the extremities of the existing well casing or services to perform routine work performed on a well after its completion in order to secure production. A provision of service.
Well drilling deviation control	71121632	SK0B	Service	Services to help maintain a true vertical well path. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield gravel packing services	71121633	SA4H	Service	Services to provide a steel screen in the wellbore and the surrounding annulus packed with gravel designed to prevent the passage of formation sand for stabilization purposes. A provision of service where transfer of TPP is not the primary intent.
Oilfield hull systems services	71121634	SEMA	Service	The hull is the watertight body of a ship or boat. Above the hull is the superstructure and/or deckhouse, where present. The line where the hull meets the water surface is called the waterline.
Rig well pulling crew services	71121635	SJJT	Service	Crew services for rig well pulling during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Wellhead equipment services	71121636	S100	Service	Services for installation or maintenance of wellhead equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Sidetracking with whipstock services	71121637	S3Y2	Service	Services to place a wedge in a wellbore to force the drill bit to start drilling in a direction away from the wellbore axis. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Well drilling pipe cleaning service	71121638	S644	Service	Cleaning service to remove rust, scale, cement and drilling fluids. This can be achieved via air rattling, outside and inside diameter brushing or by a hydro blasting system A provision of service where transfer of TPP is not the primary intent.
Downhole drilling tubular rental service	71121639	SNRJ	Service	Rental of tubular goods such as casing or tubing or drill pipe. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Tubular running service	71121640	ST99	Service	Service to run tubulars such as casing or tubing or drill pipe into the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Rotary steerable directional drilling service	71121641	S10R	Service	Service that includes the use of specialized downhole equipment designed to drill directionally with continuous rotation from the surface, eliminating the need to slide a steerable motor. A provision of service not the transfer of TPP.
Oilfield fishing services	711217	S716	Service	Various services for oilfield fishing during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield fishing service design services	71121701	SQE0	Service	Services to retrieve equipment through cased hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield fishing service economic evaluation services	71121702	S70A	Service	Services to retrieve equipment through open hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield fishing service operation services	71121703	SF76	Service	Services to retrieve pipe. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield junk recovery services	71121704	S276	Service	Services to remove junk or grind casing downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield pipe recovery service	71121705	S10Z	Service	Services to bypass or drill a section parallel to the original well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield fishing or drilling services	71121706	SH82	Service	Various services for oilfield fishing or drilling during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Artificial lift services	711218	S7N4	Service	Services used on oil wells to increase pressure within the reservoir and encourage oil to the surface.
Plunger lift services	71121805	SH92	Service	Services to install or service plunger lifts. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Reciprocating rod lift services	71121806	SFO0	Service	Services to install or service reciprocating rod lift services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Hydraulic lifting services	71121807	SVMA	Service	Installation or service of hydraulic pumps used for improved well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Progressive cavity lift CVX services	71121808	SHH9	Service	Installation or service progressive cavity pumps. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site optimization and automation services	71121809	S8H5	Service	Installation or service of systems used to gather data for wells site monitoring & control of production. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Electronic submersible pump lifting services	71121810	SK4F	Service	Installation or service of downhole pump that is electrically driven. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other lift systems	71121811	SU26	Service	Any other lifting systems used to improve well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gas lift Services	71121812	S3Y1	Service	Services to inject gas to increase well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Downhole fluid services	711219	SG14	Service	Services pertaining to downhole fluid during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole fluid evaluation services	71121901	S08J	Service	Services to assess which are the appropriate downhole fluids to use. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole fluid laboratory services	71121902	S667	Service	Services to test and analyze downhole fluids. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole fluid sampling services	71121903	S8BA	Service	Services to analyze downhole fluid samples. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole fluid engineering services	71121904	S935	Service	Engineering services for drilling and completion fluids. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Fluid waste management service	71121905	SU94	Service	Service and associated equipment for treatment or disposal of fluids utilized in the drilling process. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well perforating services	711220	SY40	Service	Services pertaining to well perforating during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Coiled tubing well perforating services	71122001	S9RB	Service	To create holes in the casing or liner to achieve efficient communication between the reservoir and the wellbore through coiled tubing. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Slickline well perforating services	71122002	S109	Service	The communication tunnel created from the casing or liner into the reservoir formation, performed on slickline. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Through tubing well perforation services	71122003	SGXG	Service	To create holes in the casing or liner to achieve efficient communication between the reservoir and the wellbore through tubing. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Tubing conveyed well perforating services	71122004	S35W	Service	Services using perforating guns that are run on tubing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Wireline well perforating services	71122005	SU4I	Service	Services using perforating guns that are run on wirelines. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well tubing puncher services	71122006	SN91	Service	Services using a special perforating gun, or charge, that is designed for limited penetration to allow an inner tubing or casing string to be perforated without damaging a surrounding outer string. A provision of service not the transfer of TPP.
Oilfield sand control services	711221	SA65	Service	Services pertaining to oilfield sand control during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Acid sand control pumping services	71122101	SS4D	Service	Typically before a sand control treatment, the formation near the wellbore is acidized to remove any damage caused during drilling or preparatory work on the well. A provision of service where transfer of TPP is not the primary intent.
Sand control blending services	71122102	STVK	Service	The installation of equipment or application of techniques to prevent migration of reservoir sand into the wellbore or near-wellbore area.
Cleaning fluid sand control services	71122103	S5FZ	Service	Services pertaining to cleaning fluid sand control services during well drilling and construction. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Completion fluid sand control services	71122104	S888	Service	Services pertaining to completion fluid sand control services during well drilling and construction. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well consolidation services	71122105	S394	Service	The pumping of chemical systems that create a bond between sand grains to increase the unconfined compressive strength ucs of the rock matrix and therefore extend the life of the well by inhibiting sand production. A provision of service.
Fracturing fluid sand control services	71122107	SN2R	Service	Placing sand in the wellbore and formation with above fracturing pressure. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Fracturing pre frac design testing services	71122108	SXWI	Service	To pump fluids into the formation for determining properties beneficial to the design process.

General /miscellaneous sand control services	71122109	SH11	Service	Services pertaining to sand control during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gravel carrier fluid sand control services	71122110	S7PW	Service	A broad category including any type of fluid designed specifically to provide the necessary viscosity or carrying capacity for transporting resieved gravel or proppant down the well & into the annulus. A provision of service not the transfer of TPP.
Sand control lab testing services	71122111	S930	Service	Testing prior to pumping a sand control treatment would include fluid suitability tests, formation sand analysis, compatibility testing between carrying fluid and formation fluids, carrying fluid quality control tests, etc.
Multizone sand control services	71122112	S8UO	Service	It is common practice to design a well completion in such a way as to combine more than one operation together to improve economics of the over well completion. A provision of service not the transfer of TPP.
Sand control monitoring services	71122113	SPS0	Service	Refers to treatment monitoring services consisting of the recording and displaying of critical treatment parameters during pumping to ensure that proper execution is provided. A provision of service where transfer of TPP is not the primary intent.
Sand control temporary isolation services	71122114	SPQT	Service	Any service or tool that will allow isolation of one productive zone while another zone is being treated. This is typical for multi-zone completions. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well tool redressing services	71122115	S3A7	Service	Services pertaining to well tool redressing during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Non fracturing sand control pumping services	71122116	S689	Service	Placing sand in the wellbore between the sand control screen and the casing at a rate which prevents the bottomhole pressure from exceeding the fracture initiation pressure of the formation. A provision of service not the transfer of TPP.
Slickline services	711222	S89X	Service	Various slickline services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slickline fishing services	71122201	S0WE	Service	Use of slickline to retrieve junk objects from downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slickline lifting services	71122202	SP4K	Service	Use of slickline for installation of gas lift equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slickline manipulation services	71122203	S516	Service	Services to reset or operate the slickline. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slickline completion services	71122204	SP0C	Service	Services installing a thin nonelectric cable used for selective placement and retrieval of wellbore hardware, such as plugs, gauges and valves located in sidepocket mandrels. A provision of service where transfer of TPP is not the primary intent.
Slickline logging services	71122205	SC96	Service	Services to provide logging via slickline. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Slickline mechanical services	71122206	S339	Service	Services using slickline to run mechanical tools downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Slickline pipe recovery services	71122207	SVF1	Service	Services using a slickline to recover pipe from downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well services	711223	SU93	Service	Various subsea well services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well diving services	71122301	S4Z1	Service	Diving services including air, hardsuits, intervention, mixed gas, saturation, surface. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well remote operation vehicle rov services	71122302	ST49	Service	Services to provide and operate and repair remote operated vehicles. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well fixturing or test equipment services	71122303	S4EU	Service	Test bases, jigs, temporary and dummy fixtures simulating wellhead and hub interfaces for the purpose of landing, locking, sealing and testing subsea equipment prior to installation. A provision of service not the transfer of TPP.
Subsea well intervention or completion services	71122304	S3QQ	Service	Services to convey mechanical tools or logging equipment to perform operational objectives downhole or to perform activities in the final stages of well construction to prepare a well for production. A provision of service not the transfer of TPP.

Subsea well safety test tree services	71122305	S080	Service	Services for installation, operation and repair of test trees. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well equipment maintenance services	71122306	S2L9	Service	Maintenance and repair of subsea well equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea dredging trenching and excavation services	71122307	SXZS	Service	Services to dig and remove material in waterways. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea pipe laying and cable laying services	71122308	SNOY	Service	Services to perform various types of pipe/cable laying activities such as carousel, conventional, deepwater, fiber optic, flexible, j-lay, lay barge, reel, power, umbilical. A provision of service where transfer of TPP is not the primary intent.
Subsea well production equipment monitoring and inspection service	71122309	S94Z	Service	Subsea production operations service including equipment inspection, monitoring, trouble shooting, etc. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsea well project management and engineering service	71122310	SMWA	Service	Service for oil and gas exploration, development, and production facilities. Service can include from initial evaluation of producing formations to drilling, completion, stimulation, and well maintenance for a single well.
Subsea well project front end engineering design service FEED	71122311	SN80	Service	Includes front end engineering design FEED and pre front end engineering design PreFEED projects leading to follow on detailed engineering and construction projects for subsea production systems.

Subsea equipment installation and intervention tool service	71122312	SMH7	Service	Services to rent, lease and provided support for use of Intervention Workover Control System (IWOCS) surface equipment, IWOCS umbilical terminations, Pod retrieval Tools. A provision of service where transfer of TPP is not the primary intent.
Well testing services	711224	SIVY	Service	Various testing services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Drill stem testing services	71122407	S34W	Service	Tests for reservoir pressure, permeability, skin, or productivity, downhole pressure measurements to determine reservoir characterization. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Periodic well testing services	71122408	S18H	Service	Services to provided reoccurring tests on the wells equipment such as bop, drill rig, electrical, paint, rotating equipment, structural, tubulars. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Surface well testing services	71122409	SV3M	Service	Services to include exploration well testing, clean up or flow backs and inline testing of existing wells. Includes flowing the well through temporary production facilities while pressure, temperature and flow rate measurements are made.
Underbalanced testing while drilling services	71122410	S7QG	Service	Testing borehole conditions while underbalance drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Water or gas control services	711225	SNK8	Service	Various water and gas control services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water or gas control design services	71122501	SA5I	Service	Design of water or gas control services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water or gas control evaluation services	71122502	S22O	Service	Services to evaluate the water or gas control method. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water or gas control isolation services	71122503	SD2B	Service	Services to isolate water or gas in a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water or gas control testing services	71122504	S5R8	Service	Services to test the effectiveness of the water or gas control method. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water or gas testing services	71122505	SCJ6	Service	Sample testing of water or gas. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Flare services	71122506	SVPO	Service	Services to burn off waste gases in a controlled manner. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well completion services	711226	SP08	Service	Various well completion services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Cased hole well completion services	71122601	SM0E	Service	Installation of production equipment in a cased hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well completion fluids services	71122602	SXVZ	Service	Use of completion fluids and filtration services for well completion. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gas lift well completion services	71122605	S9SW	Service	Services to inject gas to increase well productivity. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Intelligent well completion services	71122606	SSC4	Service	Service which provide monitoring devices which can adjust well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Multilateral well completion services	71122608	SPLK	Service	Installation of production equipment in a well with multiple branches. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Sand control well completion services	71122610	S1V8	Service	Using gravel packing or sand consolidation during completion of a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Liner running services	71122614	SD63	Service	Services to suspend on string of casing from inside the previous casing string. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Open hole completion services	71122615	S178	Service	Installation of production equipment in an open hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Expandable pipe/screen well completion services	71122616	SE21	Service	Use of expandable pipe/screen for sand control during well completion. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well maintenance services	711227	S4ME	Service	Various well maintenance services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil well platform maintenance services	71122701	S070	Service	Maintenance of platforms. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield pumping unit maintenance services	71122702	SG4Y	Service	Maintenance of oilfield pumping units. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield rod pump repair services	71122703	SN21	Service	Maintenance on artificial lift systems. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield snubbing service	71122704	S0G2	Service	Services to put drill pipe into the wellbore when the blowout preventers (bops) are closed and pressure is contained in the well. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.

Oilfield sucker rod maintenance services	71122705	SSFW	Service	Maintenance of the steel rod that is used to make up the mechanical assembly between the surface and downhole components of a rod pumping system. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well swabbing services	71122706	SK95	Service	Services to reduce pressure in a wellbore by moving pipe, wireline tools or rubber-capped seals up the wellbore. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield tubing anchor services	71122707	SD3G	Service	Services to anchor and stabilize the bottomhole assembly for the duration of the intended application. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield pump mechanic services	71122708	SJF6	Service	Repairs services to the pumping machinery. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole tool maintenance services	71122709	SCOZ	Service	Repairs to downhole tools. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield tubular maintenance services	71122710	S4A3	Service	Repairs to tubulars. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well workover service	71122711	S3LI	Service	Service for repair or stimulation of an existing production well for the purpose of restoring, prolonging or enhancing the production of hydrocarbons. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Well workover lift boat service	71122712	S2UW	Service	Vessel service to conduct workovers, for example vessels such as Self Elevating Workover Platforms or SEWOPS often used in shallow waters. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well monitoring services	711228	S4P3	Service	Various well monitoring services performed during well drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole recording services	71122801	S814	Service	Services to record conditions downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well flow monitoring services	71122802	S8E3	Service	Services to monitor flow rates. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil or gas well monitoring services	71122803	S7AD	Service	Services to monitor temperature, pressure, and fluid flow as well as other conditions. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site phase monitoring services	71122804	SQ14	Service	Services to monitor and make comparisons of periodic waves such as seismic waves. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site pump monitoring services	71122805	SBY1	Service	Services to monitor pump conditions. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well site surface data acquisition services	71122806	SVHI	Service	Services to acquire data related to the surface of the earth around the well site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site surface readout services	71122807	ST00	Service	Services to provide downhole measurements and conditions with the ability to readout or store data at the surface. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site surface recording services	71122808	STF5	Service	Downhole well site conditions electrically recorded at the surface. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Subsurface well testing services	71122810	S57P	Service	Testing, sampling or monitoring of subsurface conditions at the well site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield rigs	711229	S779	Service	The machines used to drill a wellbore. In onshore operations, the rig includes virtually everything except living quarters.
Deepwater oilfield rig services	71122901	SWAA	Service	Services for rigs located in offshore areas where water depths exceed approximately 600 feet. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Jackup oilfield rig services	71122902	SG6N	Service	Rig services for a self-contained combination drilling rig and floating barge, fitted with long support legs that can be raised or lowered independently of each other. A provision of service where transfer of TPP is not the primary intent.

Barge oilfield rig services	71122903	S933	Service	Services for pipe laying or derrick services located on a barge. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Land oilfield rig services	71122904	SUP2	Service	Services for rigs used to drill onshore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Platform oilfield rig services	71122905	S9S1	Service	Services for the platforms (large structures used to house workers and machinery needed to drill and then produce oil). This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Integrated services	711230	STWM	Service	Various integrated services performed during drilling and construction. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Mgmt & provision of all facilities, engineering, modification and maint svcs for a site or platform	71123001	S815	Service	Services for oil and gas exploration, development, and production facilities. Services can include from initial evaluation of producing formations to drilling, completion, stimulation, and well maintenance for a single w.
Mgmt & operations of all facilities, engineering, modification and maint svcs for site or platform	71123002	SZTX	Service	Services which may include: optimizing or reengineering well completions and lifting systems, recompletion and stimulation of wells, debottlenecking surface facilities. A provision of service where transfer of TPP is not the primary intent.
Hydrocarbon reservoir development and production services	71123003	SXV4	Service	Services to predict hydrocarbon reservoir behavior to implementation of the method of recovery, includes engineering and design, candidate identification, technology selection, rig contracting & management, wellsite supervision, project management.

Well management / construction services	71123004	SPV0	Service	Services that include detailed engineering and construction of production wells. Plus, delivery and commissioning of all surface facilities and infrastructure, including full project management. A provision of service not the transfer of TPP.
Mgmt & provision of all catering, cleaning, office and security services at location or platform	71123005	S328	Service	Services to provide food and sundries, cleaning and security at the wellsite or platform. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Field development	71123006	S8EX	Service	Services ranging from subsurface model to first oil and beyond. Typically includes the development of a subsurface reservoir model, a drainage philosophy, a field development plan, technology selection, subsurface well locations, and well design.
Integrated field rehabilitation services	71123007	SVN4	Service	Services for mature fields that may include some of the following services: engineering of a new subsurface model & a field redevelopment plan, execute well reentry, design sidetracking and infill drilling campaigns, optimize existing wells and rejuvenate.
Oil and gas extraction and production enhancement services	7113	S78Y	Service	Oil and gas extraction and production enhancement services
Well fracturing services	711310	SPK8	Service	Various well fracturing services performed during oil and gas extraction and production enhancement. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acid based fluid well fracturing services	71131001	S9YF	Service	Services for a well-stimulation operation in which acid, usually hydrochloric acid HCl, is injected into a carbonate formation at a pressure above the formation-fracturing pressure. A provision of service not the transfer of TPP.

Emulsion based fluid well fracturing services	71131002	SCA9	Service	Services using emulsion mud for well fracturing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Foam based fluid well fracturing services	71131003	S6KW	Service	Services using foam for well fracturing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil well fracturing services	71131004	S3C5	Service	General well fracturing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil well scale control services	71131005	SA1I	Service	Services to control the mineral deposit that can occur in the tubing, the gravel pack, the perforations or the formation. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Well fracture testing services	71131006	S6WE	Service	Services to pump into a closed wellbore with hydraulic pumps to create enough downhole pressure to crack or fracture the formation. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well fracturing downhole evaluation services	71131007	S0FI	Service	Services for evaluation of a well that passes through a natural fracture or that has been hydraulically fractured. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fracturing height control services	71131008	S19K	Service	Services to evaluate and control the height of the fracture. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well fracturing monitoring services	71131009	S59V	Service	Services using either permanent and semi-permanent tools to monitor, control, record and report all types of fracturing treatments. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well fracturing service design services	71131010	SA3L	Service	Analysis and design of the fracture fluids and procedures to be used. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fracturing service evaluation services	71131011	SA4O	Service	Services to evaluate the fracture procedures to be used. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fracturing surface evaluation services	71131012	S07U	Service	Evaluations of conditions at the surface level during fracturing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fracturing treatment quality control services	71131013	S02C	Service	Services to monitor and measure the quality control services for fracturing treatments. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil based fluid well fracturing services	71131014	STG9	Service	An invert-emulsion mud, or an emulsion whose continuous phase is oil used in fracturing. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other well fracturing services	71131015	SVCK	Service	Other general fracturing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well fracturing stress management services	71131016	S7Y9	Service	Services used to calculate and control stress in the fracture. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water based linear fluid well fracturing services	71131018	S6P4	Service	Services using fluid without clay for stimulation. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water based cross linked fluid well fracturing services	71131019	SLT6	Service	Services to use a compound, typically a metallic salt, mixed with a base-gel fluid for stimulation. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix stimulation services	711311	S964	Service	Various matrix stimulation services performed during oil and gas extraction and production enhancement. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Acid based matrix stimulation services	71131101	SL83	Service	Services for treatment of a reservoir formation with a stimulation fluid containing a reactive acid. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Formation sealer matrix stimulation services	71131102	S92A	Service	Services using a matrix used in acidizing, fracturing and other stimulation treatments as means of selectively sealing perforations in the casing and effectively diverting stimulation fluids to other sections of the formation.
Matrix organic cleanup services	71131103	SM9C	Service	Services using organic clay acid stimulation fluid to stimulate the matrix. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Matrix organic inhibition services	71131104	SB91	Service	Services using organic clay acid for matrix inhibition. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix scale cleanup services	71131105	SKW6	Service	Services to cleanup matrix scale deposition. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix scale inhibition services	71131106	SJUD	Service	Services using a type of inhibition treatment used to control or prevent matrix scale deposition. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix treatment design services	71131107	S0CD	Service	Services to analyze and design proper matrix treatments. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix treatment diversion services	71131108	S0DG	Service	Services to administer matrix stimulation injection treatments to ensure a uniform distribution of treatment fluid across the treatment interval. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Matrix treatment evaluation services	71131109	S15Q	Service	Analysis and evaluation of the results of matrix treatment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix treatment quality control services	71131110	S41G	Service	Services to provide measure the quality and effects of the matrix treatment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Non acid based matrix stimulation services	71131111	S6AA	Service	Services for the treatment of a reservoir formation with a non-acid based stimulation fluid. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield nitrogen services	711312	S7HD	Service	Various nitrogen services performed during oil and gas extraction and production enhancement. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Nitrogen well services	71131201	SW36	Service	Services to provide nitrogen at the well site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Other oilfield pumping services	711313	SG4Z	Service	Various other oilfield pumping services performed during oil & gas extraction & production enhancement. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Bottom intake oilfield pumping services	71131301	S96L	Service	Services that pull liquid from the bottom of the hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Cable deployed oilfield pumping services	71131302	S3H0	Service	Services to deploy submersible pumps on a cable. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Co2 oilfield pumping services	71131303	S1VE	Service	Services to pump carbon dioxide into underground. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Coiled tubing deployed oilfield pumping services	71131304	S113	Service	Uses coiled tubing rig. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Downhole pumping services	71131305	S01E	Service	Services for pumping downhole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Dual completion well services	71131306	SF20	Service	Services to provide pumping into a single wellbore having tubulars and equipment that enable production from two segregated zones. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Horizontal pumping well services	71131307	SXEE	Service	Services to pump into a horizontal well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield pumping installation pull or operation services	71131308	SK2J	Service	Services to pull pumps for repair or maintenance. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well profile modification services	71131309	SM4C	Service	Services to stimulate a well to change the profile. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield spooling services	71131310	SU61	Service	Services to wind coiled tubing onto a reel. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Progressive cavity pump services	71131311	SS1V	Service	Services to transfer fluid or media with suspended solids or slurries from the suction side of the pump to the discharge side of the pump from storage tanks or through pipelines using a progressive cavity pump.

Electronic submersible pump services	71131312	S000	Service	Services to install an electronic submersible pump for artificial lift purposes. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Conventional pumping services	71131313	SAUB	Service	Pumping services using conventional pumps. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well production services	711314	S3U8	Service	Various well production services performed during oil and gas extraction and production enhancement. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield flare system services	71131401	SX49	Service	Service to dispose of unwanted combustible vapors through a flare. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield hot oil or water service	71131402	S168	Service	Services for heating and delivering of hot oil or hot water on location. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield steaming services	71131403	S6J1	Service	Services for production of steam used on location. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Sulfide scavenging services	71131404	SL81	Service	Scavenge and remove hydrogen sulfide from oil, water and gas phases. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Flow line hydrate formation control services	71131405	SQ49	Service	Control formation of hydrates in production flowlines and equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Iron sulfide deposit removal services	71131406	SU9L	Service	Remove iron sulfide deposits in wells and equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Squeeze modeling services	71131407	S45I	Service	Modeling services to design chemical squeeze and prediction of return. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Hydrate formation modeling services	71131408	S843	Service	Modeling services to predict and identify conditions for hydrate formation. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Chemical treatment monitoring services	71131409	SW2L	Service	Equipment for monitoring chemical treatments. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline cleaning services	71131410	SIR3	Service	Services for pipeline cleaning. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline flow enhancement services	71131411	S6Q1	Service	Enhance pipeline flow. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well restoration and enhancement services	71131412	S5IZ	Service	Enhance and restore well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Corrosion inhibiting services	71131413	S4MM	Service	Inhibit corrosion. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Scale inhibiting services	71131414	SST2	Service	Inhibit scale formation. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline flow assurance services	71131415	S44R	Service	Flow assurance. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Impurity removal services	71131416	S8PB	Service	Remove crude oil impurities. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Organic fouling control services	71131417	S9L1	Service	Control organic fouling of pipelines and wells. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Bacterial and fungus control services	71131418	SMF4	Service	Control the growth of bacteria, fungus. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gas gathering service	71131419	SLLV	Service	Service that collects gas from wells and pipes it to compression stations. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well flowback filtration service	71131420	SN0Z	Service	Includes filtration service and associated equipment leasing of DE filter units, cartridge filter units, shear devices, skids, pod filters. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oil and gas restoration and reclamation services	7114	STJZ	Service	Oil and gas restoration and reclamation services
Emergency well control services	711410	S2LM	Service	Various emergency well control services performed during oil and gas restoration and reclamation. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well pressure control services	71141001	SC07	Service	Services to control well pressure which may include installation bop stack, drilling manifolds, wellheads, gate valves and chokes and other pressure control equipment. A provision of service where transfer of TPP is not the primary intent.
Well capping services	71141002	S84B	Service	To regain control of a blowout well by installing and closing a valve on the wellhead. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fire fighting services	71141003	SRD2	Service	Services for extinguishing a well fire. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Wild well control services	71141004	SX58	Service	Services to manage the pressure control resolution. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Dead well workover	71141005	SYHU	Service	Well workover services to restart flow. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well freeze operations	71141006	S9U0	Service	Technique used to isolate wellheads, valves and circulating equipment from subsurface or upstream pressure by forming an ice plug. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Relief well design and implementation	71141007	S6T2	Service	Hazard assessment; drilling, engineering and planning; directional drilling and intercept; and well kill / plug and abandonment. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Well control engineering services	71141008	S4M5	Service	Includes well modeling, relief well design, emergency response planning. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well plugging and abandonment services	711411	SYS3	Service	Various plugging and abandonment services performed during oil and gas restoration and reclamation.
Well abandonment services	71141101	SDMT	Service	Services performed to abandon a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well plugging services	71141102	STF7	Service	Services performed to plug a well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well abandonment platform removal services	71141103	SC03	Service	Services to remove a platform for abandonment purposes. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well plugging and abandonment tubular cutting services	71141104	S0RR	Service	Services used to cut tubing including using abrasive water jet, diamond wire cutting tools, charges and explosives, hydraulic shears, thermic lance boring. A provision of service where transfer of TPP is not the primary intent.
Well site restoration	711412	S4PE	Service	Various well site restoration services performed during oil and gas restoration and reclamation. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well cleaning or swabbing services	71141201	S06Y	Service	Services to remove liquids from the production tubing to initiate flow from the reservoir. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site restoration services	71141202	SG36	Service	Services for the restoration of abandoned well sites and associated facilities. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oil and gas data management and processing services	7115	SOFT	Service	Oil and gas data management and processing services
Oilfield information management and communications services	711510	S659	Service	Various oilfield information management and communication services performed during oil and gas data management and processing. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Oilfield data and message transmission services	71151001	SB06	Service	Services to transmit recorded well data and messages. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield graphics transmission services	71151002	SE45	Service	Services to transmit recorded well graphics. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield real time well data monitoring services	71151003	S1M2	Service	Services to communicate data to the surface shortly after being recorded. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield satellite well data transmission services	71151004	S7XT	Service	Services using satellites to transmit well data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield well data transmission services	71151005	S2D1	Service	Other well data services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Computer based simulation training program services	71151007	SKMB	Service	Simulation services and training services for oil and gas drilling and completion projects. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield data management services	711511	S029	Service	Various oilfield data management services performed during oil and gas data management and processing. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield asset data management services	71151101	S7H2	Service	Services that manage the acquisition and interpretation of well log data for evaluation and analysis. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield data mining services	71151102	S7X8	Service	Services to aggregate or interpret data for statistical or analytical purposes. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield log data management services	71151103	SK20	Service	Services to manage data log including search/find, access/buy, process/correct, transfer/load, usage and storage functions. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Oilfield mapping data management services	71151104	S4SD	Service	Services to produce oilfield charts and maps. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Seismic data management services	71151105	S01H	Service	Services to manage seismic data including search/find, access/buy, process/correct, transfer/load, usage and storage functions. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Data storage and backup	71151106	SX25	Service	Services to archive or store archived data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield economic and risk model services	711512	SQ79	Service	Various oilfield economic and risk model services performed during oil and gas data management and processing. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield budgeting services	71151201	S0HP	Service	Services to create and manage budgets for oilfield projects. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield capital planning services	71151202	SKC0	Service	Financial services to plan capital expenditures, cost reductions or analysis for return on capital. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield decision tree services	71151203	SBUV	Service	Services that provide analysis visually mapping out the problem using the decision tree model to produce calculation to determine risk analysis. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oilfield interpretation services	711513	S5KR	Service	Various oilfield interpretation services performed during oil and gas data management and processing. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield bubble map services	71151301	SQ94	Service	Services that create map using bubbles to display data. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield case studies	71151302	SODN	Service	Services to produce case studies for oilfield exploration and production projects. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield decline analysis	71151303	SW3E	Service	Services using decline analysis to estimate reserves and predict production using either curve fitting and type curve matching methods. This is a provision of service where transfer of title/possession of TPP is not the primary intent.

Oilfield field studies	71151304	S920	Service	Services to provide studies of oilfield geological, geophysical, geomechanical or petrophysical conditions. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield fracturing interpretation services	71151305	SD4I	Service	Interpretation of data produced by the analysis of a well that passes through a natural fracture or that has been hydraulically fractured. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Geology services	71151306	SB7Y	Service	Services which include interpretation for 3d modeling, biostratigraphy, diagenesis, flooding, log interpretation, organic chemistry, petrology, volumetrics. A provision of service where transfer of TPP is not the primary intent.
Geophysics services	71151307	SIRI	Service	Interpretation services 2d, 3d, 4d, attributes, amplitude versus offset (avo), inversion, OBC. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Gravel pack interpretation services	71151308	SYS9	Service	Services to interpret the changes in gravel pack region. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield grid mapping services	71151309	S2SA	Service	Services to develop and/or determine values for grid elements on a map. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield mapping or visualization services	71151310	SPIW	Service	Various oilfield mapping and visualization services performed during oil and gas data management and processing. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Petrophysics services	71151311	SB40	Service	Services to interpret or build a model using petrophysical information such as data from cased hole logs, core analysis, lwd, open hole logs. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Rock mechanics services	71151315	SFP8	Service	Services to interpret the rock mechanical properties. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Reservoir services	71151316	SJI0	Service	Services to include modeling, simulation, engineering economics, enhanced oil recover, fluid characterization, monitoring and tracers. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
General formation evaluation	71151317	S071	Service	Services to evaluate the volume of rock seen by a measurement made in the borehole, as in a log or a well test. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Acoustic waveform processing services	71151318	S5V4	Service	Services to process the acoustic waves into images. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Geomechanical services processing	71151319	SGC1	Service	Services to provide evaluation, testing, simulation and analysis of geomechanical conditions. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Nuclear magnetic resonance processing and interpretation services	71151320	SCP9	Service	Processing and interpretation of the measurements of porosity, fractional volumes of bound and moveable fluids, and formation permeability. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Resistivity processing and interpretation services	71151321	S939	Service	Processing and interpretation of the measurements resistivity through the uncased hole. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Dip angle and direction processing	71151322	SP3W	Service	Services to process the data to determine the direction and angle of formation dip in relation to the borehole. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Borehole image processing	71151323	SUSF	Service	Processing the data of the borehole image. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Logging while drilling processing	71151324	S795	Service	Processing the well seismic data that is recorded during the excavation of the hole, or shortly thereafter, through the use of tools integrated into the bottomhole assembly. A provision of service where transfer of TPP is not the primary intent.
Pulsed neutron processing and interpretation services	71151325	S9E0	Service	Processing and interpreting the measurements of the rate of thermal neutron absorption. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
General cased hole and production log processing	71151326	SZHY	Service	Processing and interpreting the measurements of the production logs from cased holes. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Casing inspection analysis services processing	71151327	S5C6	Service	Services to interpret the data from electronic inspection of casing to detect defects. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well service engineering	711514	SER2	Service	Various well service engineering services performed during oil and gas data management and processing. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well cementing job design services	71151401	SC0V	Service	Services to plan projects to permanently seal annular spaces between casing and borehole walls using cement. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Coiled tubing job design services	71151402	SZ07	Service	Services to plan projects using coiled tubing services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well drilling job design services	71151403	SX3T	Service	Services to plan projects for directional drilling and lwd services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fracturing job design services	71151404	SXT8	Service	Services to plan well fracturing stimulation projects. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Matrix stimulation job design services	71151405	SHE0	Service	Services to plan treatments near-wellbore reservoir formation to enhance the productivity of a well. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well sand control job design services	71151406	SWH5	Service	Services to plan the installation of equipment or application of techniques to prevent migration of reservoir sand into the wellbore or near-wellbore area. A provision of service where transfer of TPP is not the primary intent.
Oil and Gas Well Project Management Services	7116	SP39	Service	Services provided in the oil and gas industry including, but not limited to, the development of oilfield drilling and production models; oilfield production engineering management; oilfield production operations management; oilfield project management services; well construction management services; and well site operations services.
Oilfield modeling services	711610	S96D	Service	Various oilfield modeling services performed during oil and gas well project management. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield completion models	71161001	SZWX	Service	Creation of models of the assembly of downhole tubulars and equipment required to enable safe and efficient production from an oil or gas well. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oilfield drilling models	71161002	SIGL	Service	Creation of models for constructing the wellbore. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield economic models	71161003	SO1Y	Service	Creation of model for determination of possible economic results. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield field development models	71161004	SG1P	Service	Creation of models to represent field development. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield production models	71161005	S16G	Service	Creation of models for the phase that occurs after successful exploration and development. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield risk management services	71161006	S413	Service	Creation of models to identify and evaluate hazards. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Geological or geophysical models	71161007	S5Y3	Service	Creation of models representing geological or geophysical information. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Reservoir models	71161008	SVUM	Service	Creation of models of reservoirs. The model could include any of the geological, fluid or other characteristics of the reservoir. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Oilfield production engineering management	711611	S281	Service	Various oilfield production engineering management services performed during oil and gas well project management. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield artificial lift services	71161101	SG1S	Service	Evaluation and design of system to add energy to the fluid column in a wellbore with the objective of initiating and improving production from the well. A provision of service where transfer of TPP is not the primary intent.

Enhanced oil recovery services	71161102	SK8F	Service	Evaluation or design services to restore formation pressure and to improve oil displacement or fluid flow in the reservoir. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Well injection services	71161103	SYQ9	Service	Evaluation, design or testing of services to inject fluid into the reservoir with the primary objective typically being to maintain reservoir pressure. A provision of service where transfer of TPP is not the primary intent.
Oilfield production system analysis services	71161104	S8M3	Service	Evaluation, design or testing to forecast the performance of the various elements comprising the completion and production system. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Well perforation services	71161105	S3Y0	Service	Evaluation, design or testing of the process to create holes in the casing or liner to achieve efficient communication between the reservoir and the wellbore. A provision of service where transfer of TPP is not the primary intent.
Oilfield production chemistry services	71161106	SG0G	Service	Evaluation or design of chemistry to increase well production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield production monitoring services	71161107	SU40	Service	Evaluation, design or testing of monitoring equipment used for production. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well stimulation services	71161109	SDV2	Service	Evaluation, design or testing of services for treatment performed to restore or enhance the productivity of a well. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.

Underground gas storage services	71161110	S5UD	Service	Evaluation, design or testing of gas storage devices used underground. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield water management services	71161111	S3LB	Service	Evaluation, design or testing to monitor the volume, treatment and disposal of produced water associated with oil production. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Oilfield production operations management	711612	SF3V	Service	Various oilfield production operations management services performed during oil and gas well project management. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield hot oiling service	71161201	SBHE	Service	Management of services for heating and delivering of hot oil on location. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield lease operations	71161202	S140	Service	Management of the area of surface land on which exploration or production activity occurs. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield logging services	71161203	S4GD	Service	Management of measurement and evaluation of the recording of one or more physical quantities in or around a well. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield paraffin cutting service	71161204	S3MA	Service	Management of services to remove paraffin and soft wax deposits from the internal wall of production tubulars and completion equipment. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oilfield planning services	71161205	ST7V	Service	Planning from initial appraisal through operational procedures and optimization of the well. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield processing services	71161206	SPY5	Service	Management of the services for alteration of seismic data to suppress noise, enhance signal and migrate seismic events to the appropriate location in space.
Oilfield project management services	711613	SYOB	Service	Various oilfield project management services performed during oil and gas well project management. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield audits or inspection services	71161301	S230	Service	Oilfield audits or inspection services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield emergency response planning services	71161302	SE28	Service	Oversee oilfield emergency response planning. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield field development services	71161303	S0GR	Service	Oversee the phase of petroleum operations that occurs after exploration has proven successful, and before full-scale production. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.

Oilfield performance monitoring services	71161304	S61V	Service	Oversee the services to acquire data to monitor well integrity and maximize production and recovery. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield reporting services	71161305	SLJ1	Service	Oversee oilfield reporting services for creation, generation and interpretation of report. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield succession plan or handover services	71161306	S2MV	Service	Oversee the planning of services for handing over the well drilling and completion services teams to operation and maintenance services of the well. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Oilfield training matrix services	71161307	S1CY	Service	Oversee the development and management of required training for a particular oilfield. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site logistics or procurement services	71161308	SZBC	Service	Oversee the purchasing, scheduling, expediting & delivery of people, products & services to a well site. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.
Well construction management services	711614	S8G6	Service	Various well construction management services performed during oil and gas well project management. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Well completion engineering services	71161402	S10X	Service	Evaluation and design or testing of the assembly of downhole tubulars and equipment required to enable safe and efficient production from an oil or gas well. A provision of service where transfer of TPP is not the primary intent.
Deadman anchor services	71161403	SQ43	Service	Mooring services using strong buried anchors for holding the vessel in place. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site pit lining services	71161405	S890	Service	Services to design monitor and dispose of linings used in the pit area during drilling. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well pulling unit services	71161407	SGKB	Service	Services to use a slickline or coiled tubing tool used to retrieve temporary devices, such as plugs and flow-control equipment, from the wellbore. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Shorebased services	71161408	S1K8	Service	Services to support the transport of people and products to and from an offshore platform using sea vessels; includes docking facilities for the support vessels, lay-down and marshaling areas, warehousing, materials handling equipment, etc.
Test pit lining services	71161409	SVWX	Service	Services to construct a test pit or drill in a test pit. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site vacuum truck services	71161410	S3VK	Service	Services using vacuum trucks to clean out oil pits, oil/water separators at the well site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Underbalanced applications engineering services	71161411	STW9	Service	Evaluation, design and monitoring of applications to obtain underbalanced condition. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well fabrication or construction services	71161413	S853	Service	Services for manufacturing and/or assembling a well components. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site operations services	711615	SSC6	Service	Various well site operations services performed during oil and gas well project management. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Well site inspection or equipment testing services	71161503	SR47	Service	Services to inspect or test equipment at the well site. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield support services	711616	S5U2	Service	Various other oilfield support services performed during oil and gas well project management.  This category represents the overall provision/performance of a service where transfer of title or possession of tangible personal property is not considered the primary intent. There may be transfer of incidental materials, but the overarching essence of the transaction is the performance of a service or provision of operator labor.
Oilfield drafting services	71161601	SJEP	Service	Drafting services to include: AutoCAD, cad, cap, gis, intergraph, pdms, specifications. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Oilfield equipment brokerage services	71161602	S9ZY	Service	Services to sell or buy redundant or surplus oilfield drilling equipment. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield research and development services	71161603	SL75	Service	Services provided for research and development of new product or application. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Oilfield certification services	71161604	S3AH	Service	Services to certify procedures, processes or equipment or machinery used in oilfield drilling and completion projects. This category represents the provision of a service where transfer of title or possession of TPP is not the primary intent.
Oilfield consultancy services	71161605	SC2F	Service	Services to provide expert or professional advice for the oil and gas industry.  This category represents the overall provision/performance of a service where transfer of title or possession of tangible personal property is not considered the primary intent. There may be transfer of incidental materials, but the overarching essence of the transaction is the performance of a service or provision of operator labor.
Oil and gas technology licensing service	71161606	SOWH	Service	Activities and fees involved in obtaining technology licenses related to the oil and gas industry. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

## 72 Building, Construction, Maintenance Services

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Oil and gas plant modular fabrication service	72121513	G6YH	Service	The prefabrication of modular plants at offsite manufacturing facility, which are sold and delivered to a production site for installation and commissioning as part of the larger system, that does not become permanently attached to realty.

## 78 Transportation and Storage and Mail Services

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Road Cargo Transport	781018	SJB6	Service	A service for road cargo transport. This category represents the overall provision/performance of a service where transfer of title or possession of tangible personal property is not considered the primary intent. There may be transfer of incidental materials, but the overarching essence of the transaction is the performance of a service or provision of operator labor.
Local area trucking services	78101801	SS50	Service	Cargo, freight, and/or other equipment delivered/moved by local operators. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Regional or national trucking services	78101802	SZC9	Service	Cargo, freight, and/or other equipment distributed by operators on a regional/national scale. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Vehicle carrier services	78101803	SY09	Service	Services involving transport of vehicles by way of highway truck rig, trailer pull or other methods. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Relocation services	78101804	S97D	Service	Moving for firms; may involve coordinated transport of plant, property, and equipment over long distances to move company's location or operation. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Tanker truck and trailer rental service	78101805	S65X	Service	Rental of commercial tanker trucks and trailers designed to transport liquids on roadways. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
International trucking service	78101806	S043	Service	Trucking service that involves border crossing where customs clearance is required. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Petroleum or chemical trucking service	78101807	S2X2	Service	Road transport of petroleum products or chemicals or other fluids using tanker truck and or trailers. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Road transport of dry bulk	78101808	S156	Service	Transport services for dry bulk, such as grains, soy beans, lumber, etc. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Road transport of letters and parcels	78101809	S30U	Service	Non-public mail services; includes expedited shipping of private or business to business items and correspondence. This category represents the provision of a service where transfer of title or possession of TPP is not considered the primary intent.

Road transport of livestock or live animals	78101810	S604	Service	Road transport of live animals, including livestock, domestic pets, and zoo animals. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Pipeline services	781021	SWI3	Service	Various mail and cargo transport related to pipeline services. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Petroleum products transport	78102101	SFA8	Service	Trucks, trains, or pipelines intended to transport petroleum and petroleum products. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Water transport	78102102	SWD3	Service	The methods by which water is transported; includes aqueducts (pipelines, canals, and tunnels), container shipment (by truck, car, or boat), and towing (icebergs or large water bags). A provision of service not the transfer of TPP.
Pipeline inline inspection service	78102103	SL7L	Service	Service to inspect the condition of inline walls of the pipeline utilizing tools such as smart pigs. This category represents the provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

## 81 Engineering, Research, Technology Based Service

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Mechanical engineering	811016	SQHW	Service	A service for research and technology regarding mechanical engineering. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.

Mechanical drawing	81101601	S3GU	Service	A scale drawing of a mechanical or architectural structure done with precision instruments. This category represents the overall provision/performance of a service where transfer of title or possession of TPP is not considered the primary intent.
Mechanical product enclosures design	81101602	ST0X	Service	Design work to implement an enclosure around a mechanism and potentially the interface to access the mechanism within the enclosure. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Machine tool design	81101603	S869	Service	Design to customize the specifications of a machine often used for cutting, boring, grinding, shearing, or generally deforming metal. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Power transmission design	81101604	SJ9R	Service	Design implemented to optimize the movement of energy from its place of generation to a location where it is applied to perform useful work. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Electromechanical services	81101605	S190	Service	Applying mechanical components, such as gears, levers, and pulley systems, to electrical components (electricity) to generate more reliable systems. This is a provision of service where transfer of title/possession of TPP is not the primary intent.
Marine engineering	81101606	S06B	Service	Encompasses shipbuilding engineering functions including technical development in the fields of design, construction & management of the production centers of buoyancy material. As well as the maintenance and repair of these. A provision of service.

Textile engineering service	81101607	SESB	Service	Includes design and advice consultancy for textile plants, development of dimensions and features of textile machinery, development and monitoring of textile projects. A provision of service where transfer of TPP is not the primary intent.
Oil and gas engineering	811019	S6NO	Service	A service for research and technology regarding oil and gas engineering for activities related to the production of hydrocarbons. This category represents the provision of a service where transfer of title/possession of TPP is not the primary intent.
Production engineering for oil or gas	81101902	S64Q	Service	Designing all elements of oil production (upstream); included are the specifics of wells, pipelines, and the entire oil and gas drilling infrastructure. A provision of service where transfer of TPP is not the primary intent.

### 83 Public Utilities, Public Sector Related Services

Product Description	Commodity Code	Product Code	Tax Type	ONESOURCE Indirect Tax Definition
Utilities	8310	GPW5	Good	Utilities
Oil and gas utilities	831016	GDEF	Good	Oil and gas utilities
Natural Gasoline [FTA 061] - Blendstock	83101601.061000	GO5P	Good	Natural Gasoline [FTA 061] - Blendstock