Commodity	Material No.	Short Description	Short Description (in Chinese) 产品中文简述 仅供参考	Long Description	Gap ID
Chemicals	6000016483	MUD SYSTEM	高压并泥浆体系	ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12126
Chemicals	6000016483	MUD SYSTEM	高温非常规深并泥浆体系	ADMIXTURE DRILLING MUD; ANY,DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR ORILLI-IN FLUID(ROF), FLITER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12127
Chemicals	6000016483	MUD SYSTEM	非常规堵漏材料LCM	ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILLI-IN FLUID(ROP), FLITER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12128
Chemicals	6000016483	MUD SYSTEM	卤水泥浆体系	ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILLI-IN FLUID(ROF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OLI BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12129
Chemicals	6000016483	MUD SYSTEM	水基泥浆体系	ADMIXTURE DRILLING MUD; ANY, DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR ORILLI-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12130
Chemicals	6000016483	MUD SYSTEM	合成石墨堵漏材料	ADMIXTURE DRILLING MUD; ANY DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER LEANING SYSTEM	12131
Chemicals	6000016483	MUD SYSTEM	任何新型泥浆体系	ADMIXTURE DRILLING MUD; ANV, DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD(WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATIONTO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR ORLIL-IN FLUID(RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM),SPACER CLEANING SYSTEM	12132
Chemicals	1000885304	LUBRICANT OBM	酯基润滑剂	LUBRICANT FOR OBM ESTER-BASED LUBRICANT; LIQUID FORM, 55 GAL (208 LITER) DRUM SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, ASTM D-92 FOR FLASH POINT,SERVICE: USED TO IMPROVE LUBRICITY OF OIL-BASED MUD SYSTEMS, COMPOSITION: BLEND OF POLYMERIC FATTY ACID ESTERS AND ESTERS, LUBRICANT FOR OBM-ESTER BASED: LIQUID BLEND OF POLYMERIC FATTY ACID ESTER AND ESTER, USED TO IMPROVE LUBRICITY OF OIL-BASED MUD SYSTEMS. IT REDUCES TORQUE AND DRAG, AND THE RISK OF DIFFERENTIAL STICKING IN DEEP, TORTUOUS, HIGH ANGLE OR EXTENDED REACH WELLS. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: YELLOW TO AMBER-YELLOWISH BROWN LIQUID INSOLUBLE IN WATER COMPATIBLE WITH NITRILE ELASTOMERS FLASH POINT (CMOC): -428°F (220°C). SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS, PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CRETIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CENTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.	12175
Chemicals	1000823699	THINNER OBM	磺酸盐脂肪酸类降黏剂	THINNER/DISPERSANT-OBM CONDITIONER ADDITIVE DRILLING FLUID; LIQUID FORM, SULFONATE BLEND WITH FATTY ACID, FOR USED TO LOWER REHECIOGICAL PROPERTIES OF OIL BASE FLUIDS, POLYOLEFIN/ORGANICS SULFONATE BLEND WITH FATTY ACID, S5 GALLON (208 LITER) DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, THINNER/DISPERSANT-OIL-BASE MUD CONDITIONER: LIQUID POLYOLEFIN/ORGANIC SULFONATE BLEND WITH FATTY ACID DERIVATIVES USED TO LOWER RHEOLOGICAL PROPERTIES FOR OIL BASE FLUIDS. OTHER ASSOCIATED BLEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY ARFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPERARNCE: DARK AMBER LIQUID SOLUBILITY: INSOLUBLE IN WATER SPECIFIC GRAVITY: 0.90 - 0.96 FLASH POINT (PMCC): > 2127 (100°C) SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO INSUE COMPLIANCE WITH THE MANTERAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CRETIFICATE OF ANALYSIS FOR EVERY BATCH (UMDER, PRODUCT IND NATE, EXPIRATION DATE, SAP NUMBER AND COUNTING TO GORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COMPLAYO FORGIN, MANUFACTURER AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS).UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT	12185

Chemicals	1000827162	LIGNITE	褐煤	LIGNITE-FILTRATION CONTROL AGENT ADDITVE DRILLING FLUID; POWDER FORM, LIGNITE, FOR USED FOR FILTRATION AND RHEOLOGY CONTROL OF WATER-BASED MUD, BLACK POWDER NATURALLY OCCURRING LIGNITE, 50 IBS. (22.7 KG) BAG. SHIPMENT OF PRODUCTS MUJS CONFORM TO SAUD ARAMCO EXPORT PACKING MANUAL, LIGNITE FILTRATION CONTROL AGENT: BLACK POWDER NATURALLY OCCURRING LIGNITE USED FOR FILTRATION AND RHEOLOGY CONTROL OF WATER-BASED DRILLING FILUIDS. IT FUNCTIONS WELL IN HIGH PH ENVIRONMENTS AND IS TOLERANT OF COMMON MUD CONTAMINANTS SUCH AS CALCIUM UP TO 1000 PPM. IT IS SUITABLE FOR USE IN LIME AND GYPSUM MUD SYSTEMS AT TEMPERATURES EXCEEDING 400Y [2047]. OTHER ASSOCIATED LEIMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: BLACK POWDER SOLUBILITY: REQUIRES AN ALKALINE WATER TO SOLUBILIZE. PH 30 OR ABOVE SPECIFIC GRAVITY (968/F (207C): 16.4 .S BUK DENSITY @ 20°C: 40 - 52 LISS/F13 CRYSTALLINE SILCA, QUARTZ (5102): SSWT. MAXIMUM SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND PECHICATIONS, PRODUCT MANUFACTURER AND/OR SUPPLER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORGIN (COQ) FOR EVERY BATCH. LABEL: PRODUCT MANUFAR, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND CONTRATE AT GONGIN, MANUFACTURER AND CONTACT INFORMATION, HAZCOM ACCORDING TO THE MATERIAL SEFTY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.	12204
Chemicals	1001071292	ADDITIVE DRILLING FLUID, LIQUID NON-EMUL	非乳化剂类表面活性剂	NON-EMULSIFIER SURFACTANT. ADDITIVE DRILLING FLUID; LIQUID NON-EMULSIFIER SURFACTANT FORM,NON-EMULSIFIER SURFACTANT,FOR LIQUID FORM, SURFACTANT DESIGNED AS NONEMULSIFIER SUBTACTANT,FOR LIQUID FORM, SURFACTANT DESIGNED AS NONEMULSIFIER ADDITIVE FOR ACIDIZING LIMIESTONE, DOLOMITE AND SANSDTONE, OR FOR FRACTURE CLEANING TREATMENT LIQUID NON-IONINC WATER DISPERSING NON-EMULSIFIER SURFACTANT DESIGNED FOR APPLICATIONS IN CEMENTING, ACIDICING, WELL STIMATION, AND FRACTURING. THE PRODUCT COL AN ALSO BE USED AS TREATEMENT OF THE WIELIBORE BEFORE DISPLACEMENT FROM OIL BASED MUDS TO WATER BASE,NON-EMULSIFIER SURFACTANT,S GAL PAIL, NET PRODUCT VOLUME OF 5 GAL,APPEARANCE: YELLOW LIQUID. SPECIFIC GRAVITY AT 68 DEG.F (20 DEG. C): 0.85-0.95. FLASH POINT: >86 DEG. F (30 DEG. C). NON-DEGRADABLE IN 15% HCL. 5 GAL PAIL(18.9 PRODUCT VOLUME OF 5 GAL, SAUDI ARANCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFFICATIE OF ONIGIN (COO) FOR EVERY BATCH. UDM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPRATION DATE, AND CONTRY OF ORIGIN, MANUFACTURER NAM CAND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MSD. UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT.	12214
Chemicals	1000814796	ACETIC ACID > 96%	醋酸(纯度大于96%)	MICRO WASH-GLACIAL ACID-BAKER HUGHES ADDITIVE DRILLING FLUID; CLEAR, COLORLESS LIQUID FORM, LIQUID CARBOXYLIC ACID-FOR USED FOR ACIDIZING SOLUBLE CALCIUM CARBONATE PARTICLES AFTER USING GOM, LIQUID CARBOXYLIC ACID JON TH'T HE MOLECULAR FORMULA OF CH3COOH,275 GALLON IBC TOTE CONTAINER SPECIFICATIONS: LEAK PREVENTION MECHANISM: VALVE CLOSED WITH SCREW CAP PE-DISC AND FLAT GASKET, VALVE HANLDE SECURED WITH A LOCKING SCREW. INNER CONTAINER SHOULD BE HIGH MOLECULAR VEIGHT, HIGH DENSITY POLYETHYLENE (HMWHOPE) W/EXTRUSION BLOW MOLDED, SPECIALLY SHAPED TO ENSURE COMPLETE DISCHARGE OF CONTENTS. OUTER CONTAINER SHOULD BE RIGID, WELDED GALVANIZED TUBULAR STEEL GRID WITH A LARGE FERMANENTLY FIXED IDENTIFICATION PLATE.MODED BOTTOM SHELL SHOULD BE RIGID, WELDED GALVANIZED TUBULAR STEEL GRID WITH A LARGE FERMANENTLY FIXED IDENTIFICATION PLATE.MODED BOTTOM SHELL SHOULD BE RESSED GALVANIZED STEL BASE SHAPED TO SUPPORT THE INNER CONTAINER AND ASSIST TOTAL DRAINAGE. PALLETS SHOULD BE STEEL AND HAVE 4 WAYS ENTRIES. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, MICRO-WASH ACETIC ACID-BAKER HUGHES: CLEAR LIQUID CARBOXYLIC ACIDS WITH THE FORMULA OF CH3COOH, USED FOR ACIDIZING SOLUBLE CALCIUM CARBONATE PARTICLES, AFTER USING GOM, IN WELLGOR REMEDIATION AND CLEANUP PROCESS TO IMPROVE WELL PRODUCTIVITY. BAKER HUGHES MICRO-WASH ACID SYSTEM CONSITS OF: PRIME-743 (SAP #1000811422), ORR-757 (SAP#1000811422), ORR-757 (SAP#1000811423), ORR-750 (SAP #1000811422), ORR-757 (SAP#1000811423), ORR-750 (SAP #1000811424), OLR-757 (SAP#1000811423), ORR-750	12224
Chemicals	1001047513	COPOLYMER LATEX	共聚物胶乳类 (密度: 1.09G/CC)	COPOLYMER LATEX ADDITVE DRILLING FLUID; LIQUID FORM,COPOLYMER LATEX,FOR ORGANIC COLLOIDAL MICRO-PARTICLES, DEFORMABLE AND COMPRESSIBLE, FOR SEALING MICRO-FRACTURES AND MINIMIZE DIFFERENTIAL STICKING AND TO IMPROVE WELLBORE STABILITY.COPOLYMER LATEX WITH ORGANIC COLLOIDAL MICRO-PARTICLES, DEFORMABLE AND COMPRESSIBLE, FOR SCILDIDAL MICRO-PARTICLES, DESOLUTES, NETY OULIME PLASTIC DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL,ORGANIC COLLOIDAL MICRO-PARTICLES, DEFORMABLE, COMPRESSIBLE, FOR SEALING MICRO-FRACTURES AND MINIMIZE DIFFERENTIAL STICKING AND TO IMPROVE WELLBORE STABILITY. IT IS HIGH TOLERANT TO SALTS AND MONOVALENT AND DIVALENT (IONS, CAN IMPART FLUIDS LOSS CONTROL, IT DOES PLUG PORES TO REDUCE PERMEABILITY OF FILTER CAKE AND OVERTIME IT FORMS A FILM IN THE FILTER CAKE AT HIGH TEMPERATURES FOR STRENGTHENING THE WELLBORE.IT IS USED IN HIGH PERFORMANCE WATER-BASED MUD (FRESH OR SALT WATER) AT E OTTOM HOLE TEMPERATURES UP TO 405 °F (232 'C). IT S AN ALTERNATIVE FOR POROSEAL FROM MI SWACO (SAP NO. 1000875825). CHEMICAL AND PHOSE ALL SPECIFICATIONS. SPECIFIC GRAVITY. 105 ONSUE CONTROL WITH THE MATERIAL DESCIFIC TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENDRE COMPLIANCE WITH THE MATERIAL DESCIFIC GRAVITY. 105 OR SIGN (COD). IS ALSULA MARDOR OSENEYES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT MANUEACO RESPENES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENDRE COMPLIANCE WITH THE MATERIAL DESCIFICA GRAVITY. 105 OR SIGN (COD). LABEL:PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPRINTION DATE, SAP NUMBER AND COUNTRY OF ORIGIN MANUFACTURER AND AND SAPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH OVORLIER, MANUFACTURER AND AND SAPPLES AND CONDUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPRINTION DATE, SAP NUMBER AND COUNTRY OF ORIGIN MANUFACTURER AND ARE AND COUNTRY OF ORIGIN MANUFACTURER AND ANTER AND COUNTRY OF ORIGIN MANUFACTURER AND ANTE, SAP NUMBER AND COUNTRY OF ORIGIN MANUFACTURER	12234

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DDICID: DDICID: <t< td=""><td>Chemicals</td><td>1001038020</td><td>COPOLYMER LATEX</td><td>共聚物胶乳类 (密度: 1.01-1.02G/CC)</td><td>WITH ORGANIC COLLOIGAL MICRO-PARTICLES, 208 LITERS PLASTIC DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCE DEPORT PACKING MANUAL,ORGANIC COLLOIDAL MICRO- PARTICLES, DEFORMABLE,COMPRESSIBLE, FOR SEALING MICHO-FRACTURES AND MINIMIZE DIFFERENTIAL STICKING AND TO IMPROVE WELLBORE STABILITY. IT IS HIGH TOLERANT TO SALTS AND MONOVALENT AND DIVALENT IONS, CAN IMPART FLUIDS LOSS CONTROL, IT DOES PLUE PORES TO REDUCE PERMEABILITY OF FILTER CAKE AND OVERTIME IT FORMS A FILM IN THE FILTER CAKE AT HIGH TEMPERATURES FOR STRENGTIFLING THE WELLBORE. IT IS USED IN HIGH PERFORMANCE WATER-BASED MUD (FRESH OR SALT WATER) AT BOTTOM HOLE TEMPERATURES UP TO 320 °F (160 'C). IT IS AN ALTERNATIVE FOR MAXSHIELD FROM BAKER HUGHES (SAP NO. 1000758663). CHEMICAL AND PHYSICAL SPECIFICATIONS: SPECIFIC GRAVITY @ 68 DEG F (20 DEG C). 101 – 1.02. (G/CC) PH: 3.6- 7.5 SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT PERFESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR VEYR BACH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL-PRODUCT MANUFACTURER AND CONTACT INFORMATION. HAZCOM ACCORDING COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING CONTACT OF ANALYSIS FOR VEYR BACH (COA) AND CERTIFICATE OF OS MENT LAB COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING CONTACT MACRISA SPECIFICATIORS SHEET (MSD). "UOM BEFERRED IN THIS MATERIAL IS NET</td><td>12244</td></t<>	Chemicals	1001038020	COPOLYMER LATEX	共聚物胶乳类 (密度: 1.01-1.02G/CC)	WITH ORGANIC COLLOIGAL MICRO-PARTICLES, 208 LITERS PLASTIC DRUM. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCE DEPORT PACKING MANUAL,ORGANIC COLLOIDAL MICRO- PARTICLES, DEFORMABLE,COMPRESSIBLE, FOR SEALING MICHO-FRACTURES AND MINIMIZE DIFFERENTIAL STICKING AND TO IMPROVE WELLBORE STABILITY. IT IS HIGH TOLERANT TO SALTS AND MONOVALENT AND DIVALENT IONS, CAN IMPART FLUIDS LOSS CONTROL, IT DOES PLUE PORES TO REDUCE PERMEABILITY OF FILTER CAKE AND OVERTIME IT FORMS A FILM IN THE FILTER CAKE AT HIGH TEMPERATURES FOR STRENGTIFLING THE WELLBORE. IT IS USED IN HIGH PERFORMANCE WATER-BASED MUD (FRESH OR SALT WATER) AT BOTTOM HOLE TEMPERATURES UP TO 320 °F (160 'C). IT IS AN ALTERNATIVE FOR MAXSHIELD FROM BAKER HUGHES (SAP NO. 1000758663). CHEMICAL AND PHYSICAL SPECIFICATIONS: SPECIFIC GRAVITY @ 68 DEG F (20 DEG C). 101 – 1.02. (G/CC) PH: 3.6- 7.5 SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT PERFESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR VEYR BACH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL-PRODUCT MANUFACTURER AND CONTACT INFORMATION. HAZCOM ACCORDING COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING CONTACT OF ANALYSIS FOR VEYR BACH (COA) AND CERTIFICATE OF OS MENT LAB COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING CONTACT MACRISA SPECIFICATIORS SHEET (MSD). "UOM BEFERRED IN THIS MATERIAL IS NET	12244
member 0000000 anarbox Druinsfronds by REIL Output, an with instance and output, and with instance andinstance and output, andinstance and output, andinsta	Chemicals	600003963	Aluminum Stearate and/or Silicon base defoamer	硬脂酸铝/硅基消泡剂		12254
Demail Demail<	Chemicals	600003953	Anhydrous Calcium Bromide Dry	高比重完井液	CHEMICAL; ANY, MATERIALS USED TO INCREASE THE SALINITY AND/OR DENSITY IN WATER BASED	12264
LINEL LINEL <th< td=""><td>Chemicals</td><td>1000892841</td><td>CHEMICAL, POTASSIUM CARBONATE (K2CO3) 50</td><td>碳酸钾50%水合液</td><td>CHEMICAL; POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,FOR USED AS AN ABSORBANT MEDIA IN GASEOUS PHASE PROCESS SYSTEMS,LIQUID FORM,BULK; POTASSIUM CARBONATE AND WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER IS USED AS AN ABSORBANT MEDIA IN</td><td>12429</td></th<>	Chemicals	1000892841	CHEMICAL, POTASSIUM CARBONATE (K2CO3) 50	碳酸钾50%水合液	CHEMICAL; POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,FOR USED AS AN ABSORBANT MEDIA IN GASEOUS PHASE PROCESS SYSTEMS,LIQUID FORM,BULK; POTASSIUM CARBONATE AND WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER,POTASSIUM CARBONATE (K2CO3) 50% SOLUTION IN WATER IS USED AS AN ABSORBANT MEDIA IN	12429
Openetoris 100034642 100034642 1000346444 100034644 100034644	Chemicals	1000178625	ADDITIVE: FUEL OIL, COLD FLOW FUEL	燃料油除蜡添加剂	FORM,BULK DELIVERY (20000 KG PER ISOTANK), ASHLESS POLYMERS DISSOLVED IN PETROLEUM DERIVED SOLVENT, ADDITIVE IS USED FOR MODIFYING WAX CRYSTALS IN FUELS TO REACH A DESIRED COLD TEST SPECIFICATIONS (CFPP). TREATMENT RATES RANGE BETWEEN 50 TO 500 PPM DEPENDING ON FUEL CHARACTERISTIC, FLASH POINT (PMC-B), 67	12439
Democals JODD 59855 ORIMOU, IT GAAD, METHODITIVANOLAMINE PEIE-Z 課題 Antimit Characterization and the construction of the construction	Chemicals	1000184546	CHEMICAL: GR TECHNICAL, METHYL	甲醇	CHEMICAL; GR TECHNICAL,METHYL ALCOHOL,FOR INDUSTRIAL,LIQUID FORM,BULK DELIVERY,SYNTHETIC, METHANOL (WOOD ALCOHOL),ASTM D1152,FED SPEC O-M-232G GRADE A, UN 1230,REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000642494	12449
Demicals 1000775823 CALIS CATALYST, TITANIUM DIOXDE 二氧化放表党防御催化剂 PRAFTS (LUBDRCAL EXTRUDUT 15 MM MOMMAS SET FORMAGE) 1000 (R1 [T53:42:12] SING 56, 10:20 OULD CLAS CATALYST MAMMAS STRONOUSS A ATTUITY TO KE COLOR CLAS CATALYST MAMMAS STRONOUSS A ATTALYST ACTIVATED ALUMINA, CLAUS J2469 Demicals 1000179362 CATALYST ACTIVATED ALUMINA, CLAUS IEEEB2555//IEEE/IEEE BERNER STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB2555//IEEE BERNER STRONOUSS ACTIVATED ALUMINA, TYPE FOR CLAUS CATALYST, JS MM, TOR STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB255//IEEE BERNER STRONOUSS ACTIVATED ALUMINA, TYPE FOR CLAUS CATALYST, JS MM, TOR STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB255//IEEE BERNER STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB255//IEEE BERNER STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB255//IEEE BERNER STRONOUSS ACTIVATED ALUMINA, CLAUS IEEEB255//IEEEB BERNER ACTALYST, CHANNER ALUMINA, CLAUS IEEEB255//IEEEB BERNER ACTALYST, CHANNER ALUMINA, CLAUS IEEEB255//IEEEB265//IEEE	Chemicals	1000959459	CHEMICAL, GT GRADE, METHYLDIETHANOLAMINE	甲基二乙醇胺;	AGENT, LIQUID FORM,ISO TANK, 2.2 (METHYLIMINO) DIETHANOL N-METHYL-ZETHANOLAMINE > 99 %, 2-METHYLIAMINOETHANOL N-METHYL-ZETHANOLAMINE < 0.5%, MDEA,COLORLESS, ODOR: AMMONIACAL, PH: 10.4, BOILING POINT (760 MIMG): 247.3 C, VAPOR PRESSURE < 0.01 KPA AT 20 C, VAPOR DENSITY (AIR = 1): 4.1, SPECIFIC GRAVITY (H20 = 1): 1.041 AT 20 C. MDEA IS CAPABLE OF UNDERGOING REACTIONS TYPICAL OF BOTH ALCOHOLS AND AMINES, FORMING QUATERNARY AMINE SALTS, SOAPS, AND ESTERS. THIS MAKES MDEA A USEFUL INTERMEDIATE IN THE SYNTHESIS OF NUMEROUS PRODUCTS, AND HAS RESULTED IN ITS USE IN MANY DIVERSE AREAS, INCLUDING COATINGS, TEXTILE LUBRICANTS, POLISHES, DETERGENTS, PESTICIDES, PERSONAL CARE PRODUCTS, AND PHARMACEUTICALS.	12458
Chemicals 1000179380 CATALYST: ACTIVATED ALLIMINA, CLAUS 評性視觉克勞斯催化剂 SULPR REACTOR, SOLD SPHERE FOR MAGO-DODOK KG (178-3224 H8) 12480 Chemicals 1000179380 CATALYST: ACTIVATED ALLIMINA, CLAUS 評性視觉克勞斯催化剂 SULPR REACTOR, SOLD SPHERE FOR MAGO-DODOK KG (178-3224 H8) 12480 Chemicals 1000179380 CATALYST: ACTIVATED ALLIMINA, YEE, OR LAUS COTALYST, S-10 MM FORMA359 -9315 KG (1845-9221 H8) 12490 Chemicals 1000179380 CATALYST: ACTIVATED ALLIMINA, YEE, OR LAUS COTALYST, S-10 MM FORMA359 -9315 KG (1845-9221 H8) 12490 Chemicals 1000179380 CATALYST: ACTIVATED ALLIMINA, CLAUS 評性視觉克勞斯催化剂 CATALYST, ACTIVATED ALLIMINA, YEE, OR LAUS COLST, COLUB COTALYST, S-10 MM FORMA359 -9316 KG (184-9216 KG	Chemicals	1000775823	CLAUS CATALYST, TITANIUM DIOXIDE	二氧化钛类克劳斯催化剂	PLANTS, CYLINDRICAL EXTRUDATE 3-6 MM NOMINAL SZE FORM, 800-1100 KG (1763-2425 B) SLING BAG, 140-200 KG (308-441 LB) DRUMS, TITANIUM DIOXIDE CLAUS CATALYST MAXIMISES HYDROLYSIS ACTIVITY FOR COS AND CS2, BULK DENSITY, LESS THAN OR EQUAL TO 700 - 1100 KG/M3 (43 - 69 BLG/CUT F), TOTAL PORE VOLUME 0.40 - 0.60 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS THAN 50 BALLS SHOULD BE GREATER THAN OR EQUAL TO 14 KG , SURFACE AREA 100-260 M2/GRAM, USED IN CLAUS SULFUR REACTORS (CONVERTERS) IN GAS	12469
Chemicals 1000179380 CATALYST: ACTIVATED ALUMINA, CLAUS 活性提类克劳斯催化剂 PORM,836.9918.5 KG (1945-2023 EB) SLING BAG,FOR (JAT 0.38 IN NOACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MACRO POROSITY OBJECT (LSS THAN 00 REQUALT 70 0.34 IN LBS (CU) FT MAS OB EQUALT 70 0.4 IN SUBJECT (LSS THAN 00 REQUALT 70 0.5 INS SUBJECT REA GREATER THAN 00 REQUALT 70 0.5 INS SUBJECT REAL HIS (LSS THAN 00 REAL HIS SUBJECT REAL HIS (LSS T	Chemicals	1000179350	CATALYST: ACTIVATED ALUMINA, CLAUS	活性铝类克劳斯催化剂	SULFUR REACTOR, SOLID SPHERE FORM, 800-1000 KG (1763-2204 LB) SLING BAG, DENSITY LESS THAN OR EQUAL TO 705 K G/CU DENSITY LESS THAN OR EQUAL TO 705 KG/CU M (44LB5/CU FT) REQUIRES SAUDI ARMCO	12480
Chemicals 1000183985 CATALYST: CHEMICAL, PROCESS, POWDER, 五氧化二钒 类催化剂 KG/DRUM_COMMON NAME - VANADUUM PERTORNIC, 99.60% MIN, LOW 12500 ALKALI, MELTING POINT 690 DEG C COMMON NAME - VANADUUM PERTORNIC - 91.00% MIN, LOW ALKALI, MELTING POINT 690 DEG C COMPOSITION - A1203-0.00%, CUO-0.00% SPEC PACKING CODE SA4405 APPLIES REQUIRES SAUDI ARAMCO HAZCOM LABELI IN MM# 100064289 12500 Chemicals 6000016190 CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE 克劳斯催化剂 COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE SULFUR, OR HYDROXYSIS TYPE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE TO PROUCE TO PRODUCE COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH SOCI PRODUCE TO PROTONO OF TAIL GAS SOCI AND STO H2S AND HYDROXYE COS TO H2S USULALY COBALT-MOLYBDENUM BASED CATALYST, ANY TYPE, CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE RSPS 12521 Chemicals 6000016190 CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE RSPS RSPS 12521 Chemicals 6000016190 CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE RSPS RSPS 12521 Chemicals <td>Chemicals</td> <td>1000179380</td> <td>CATALYST: ACTIVATED ALUMINA, CLAUS</td> <td>活性铝类克劳斯催化剂</td> <td>CATALYST; ACTIVATED ALUMINA TYPE, FOR CLAUS CATALYST; S-10 MM FORM, 836.9-918.5 KG (1845-2025 LB) SLING BAG, FOR 1/4 TO 3/8 IN NOM SIZE, BULK DENSITY, LESS THAN OR EQUAL TO 705 KG/CU M (44 LBS/CU FT) MACRO POROSITY GREATER THAN OR EQUAL TO 0.14 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS THAN 50 BALLS SHOULD BE GREATER THAN OR EQUAL TO 45 LBS' SURPACE AREA GREATER</td> <td>12490</td>	Chemicals	1000179380	CATALYST: ACTIVATED ALUMINA, CLAUS	活性铝类克劳斯催化剂	CATALYST; ACTIVATED ALUMINA TYPE, FOR CLAUS CATALYST; S-10 MM FORM, 836.9-918.5 KG (1845-2025 LB) SLING BAG, FOR 1/4 TO 3/8 IN NOM SIZE, BULK DENSITY, LESS THAN OR EQUAL TO 705 KG/CU M (44 LBS/CU FT) MACRO POROSITY GREATER THAN OR EQUAL TO 0.14 CM3/GRAM, CRUSH STRENGTH MEASURED ON NOT LESS THAN 50 BALLS SHOULD BE GREATER THAN OR EQUAL TO 45 LBS' SURPACE AREA GREATER	12490
Chemicals6000016190CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE克劳斯催化剂CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA, TITANIA OXIDE OR ALUMINA,TITANIA12511Chemicals6000016190CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE克劳斯催化剂CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA, TITANIA OXIDE OR ALUMINA,TITANIA12511Chemicals6000016190CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE克劳斯催化剂CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE12511Chemicals6000016190CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE克劳斯催化剂CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE12521Chemicals6000016190CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE克劳斯催化剂CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE12521Chemicals600001816SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS依化氨酸气吸附剂ABSORBENT; ANY TYPE, ANY FORM, SOLVENT: FOR GAS AND NGL SWEETENING. INCLUDES CHEMICAL PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE12537	Chemicals	1000183985	CATALYST: CHEMICAL, PROCESS, POWDER,	五氧化二钒 类催化剂	KG/DRUM,COMMON NAME - VANADIUM PENTOXIDE, 99.60% MIN, LOW ALKALI, MELTING POINT 590 DEG C COMPOSITION - A1203-0.006%, CUO-0.005% SPEC PACKING CODE 844405 PAPILES REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000644289	12500
Chemicals 600016190 CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE 克劳斯催化剂 CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA, TITAINA OXIDE OR ALUMINA/TITAINA COMPOSITE TO PROMOTE CLAUS REACT H2S WITH SO2 TO PRODUCE SULFUR, OR HYDROLYSIS TYPE TO HYDROLYZE COS AND CS2 BACK TO H2S. TGT USED FOR REDUCTION OF TAIL GAS SO2 AND S TO H2S AND HYDROLYZE CS2 AND CS3 DAKC TO H2S. TGT USED FOR REDUCTION OF TAIL GAS CATALYST. 12521 Chemicals 600001816 SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS	Chemicals	6000016190	CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE	克劳斯催化剂	CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA,TITANIA OXIDE OR ALUMINA/TITANIA COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH 502 TO PRODUCE SULFUR, OR HYDROLYSIS TYPE TO HYDROLYZE COS AND CS2 BACK TO H2S. TGT USED FOR REDUCTION OF TAIL GAS SO2 AND S TO H2S AND HYDROLYZE CS2 AND COS TO H2S USUALLY COBALT-MOLYBDENUM BASED	12511
Chemicals 6000001816 SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS 硫化氯等酸气吸附剂 PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE OR NON-SE	Chemicals	6000016190	CATALYST, CHEMICAL, SUPERCLAUS SELECTIVE	克劳斯催化剂	CONVENTIONAL TYPE NORMALLY ACTIVATED ALUMINA, TITANIA OXIDE OR ALUMINA/TITANIA COMPOSITE TO PROMOTE CLAUS REACTION REACT H2S WITH 502 TO PRODUCE SULFUR, OR HYDROLYSIS TYPE TO HYDROLYZE COS AND CS2 BACK TO H2S. TGT USED FOR REDUCTION OF TAIL GAS SO2 AND S TO H2S AND HYDROLYZE CS2 AND COS TO H2S USUALLY COBALT-MOLYBDENUM BASED CATALYST.	12521
ADCORDENT: ANY TYPE ANY TYPE ANY FORM COLVENT, FOR CAS AND NOL SWEETENING, INCLUDES CUEMICAL	Chemicals	6000001816	SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS	硫化氢等酸气吸附剂	PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE	12537
Chemicals 600001816 SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS 硫化氢等酸气吸附剂 ABSORBENT, JANT THE-JANT PORM/SOLVENT: FOR GA AND MG SWEETENING. INCLUDES CHEMICAL, PHYSICAL, HYBRID GENERIC AMINES OR PROPRIETARY CHEMICALS FOR SELECTIVE OR NON-SELECTIVE	Chemicals	6000001816	SOLVENT, METHYLDIETHANOLAMINE (MDEA)-BAS	硫化氢等酸气吸附剂		12538
Chemicals 600001790 SOLID DESICCANT: DEHYDRATION GAS/LIQ HC 干燥剂 DESICCANT; SOLID DESICCANT; SOLID DESICCANT; SOLID DESICCANT; TO REMOVE WATER FROM GAS OR LIQUID HYDROCARBON BY ADSORPTION. USUALLY ALUMINA BASED, MOLECULAR SIEVE, ACTIVATED 12553 ALUMINA OR SILICA GEL.	Chemicals	6000001790	SOLID DESICCANT: DEHYDRATION GAS/LIQ HC	干燥剂	LIQUID HYDROCARBON BY ADSORPTION. USUALLY ALUMINA BASED, MOLECULAR SIEVE, ACTIVATED	12553

				ABSORBENT; ANY TYPE,ANY FORM,ADSORBENT: FOR REMOVAL OF MERCURY, MERCAPTANS, HYDROCARBON (BTEX) OR VOLATILE ORGANIC COMPOUND FROM NATURAL GAS,	
Chemicals	6000016171	ADSORBENT: REMOVAL OF Hg, BTEX, HC	除苯类吸附剂	HYDROCARBON CONDENSATE, LPG, NATURAL GASOLINE AND NAPHTHA AND WATER. IT INCLUDES	12563
				ACTIVATED CARBON, SULFUR/POTASSIUM IODIDE IMPREGNATED CARBON, METAL SULFIDE OR	
				METAL OXIDE.	
ch a ch a ch	6000017151		P.th./h	OIL; HEATING TYPE, HEAT TRANSFER FLUID, (HEATING OIL OR HOT OIL), SYNTHETIC OR MINERAL BASE, FOR HYDROCARBON PROCESSING, LOW TEMPRATURE & HIGH TEMPERATURE HEAT TRANSFER FLUID	10570
Chemicals	600001/151	OIL, HEAT TRANSFER FLUID	导热油	FOR HYDROCARBON PROCESSING, LOW TEMPRATURE & HIGH TEMPERATURE HEAT TRANSFER FLUID SYSTEMS, USED AS HEAT TRNASFER SYSTEM	12573
			100 T (10 1 + 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	CHEMICAL; ANY, MATERIALS USED TO PREVENT OR CURE LOSS CIRCULATION	
Chemicals	6000003973	Sized metamorphic Marble 2	碳酸钙类堵漏剂	OR AS BRIDGING MATERIALS IN WATER BASED MUD, OIL BASED MUD AND BRINE.	12583
				CALCIUM CHLORIDE (77-78%) 1000 KG/BIG BAG ADDITIVE DRILLING FLUID; DRY FLAKES, PELLETS, OR	
				GRANULAR FORM, DRY FLAKES, PELLETS, OR GRANULAR, WATER-SOLUBLE, USED AS WEIGHTING AGENT TO FORMULATE SOLIDS-FREE COMPLETION BRINES AND TO PROVIDE THE	
				DESIRED WATER PHASE SALINITY AND ACTIVITY IN INVERT EMULSION MUDS. IN ADDITION, IT IS USED	
				AS AN ACCELERATOR IN OIL WELL CEMENT SLURRIES. CALCIUM CHLORIDE QUALITY IS	
				MONITORED BY EXPEC ARC LABORATORIES. EXPEC CERTIFICATE OF ACCEPTANCE (EXPEC/COA)	
				REFERRING TO THE RESPECTIVE BATCH NUMBER MUST BE ATTACHED TO EACH SHIPMENT	
				DOCUMENTS ACCEPTED FOR FIELD APPLICATIONS., FOR USED AS WEIGHTING AGENT TO FORMULATE	
				SOLIDS-FREE COMPLETION BRINES AND TO PROVIDE THE DESIRED WATER PHASE SALINITY AND ACTIVITY IN INVERT EMULSION MUDS. IN ADDITION, IT IS USED AS AN ACCELERATOR IN OIL WELL	
				CEMENT SLURRIES, CALCIUM CHLORIDE 77-78%, 1000 KG (2204 LBS) MULTI- WALL MOISTURE-PROOF	
				POLYETHYLENE LINED BAGS WITH LIFTING STRAPS, WITHOUT BOTTOM SPOUT. LIFTING STRAP, BAG IS	
				DISPOSABLE, TOP CLOSURE WATERTIGHT, STACKABLE. MINIMUM TENSILE STRENGTH FACTOR 5,	
Chemicals	1000022533	CALCIUM CHLORIDE(77-78%) 1000 KG BIG BAG	氯化钙 (纯度77-78%)	FLEXURAL STRENGTH FOR NORMAL HANDLING AND OUTSIDE STORAGE. THE DISPOSABLE SUPER	N/A
				SACKS SHOULD HAVE AT LEAST 75% OF THEIR SHELF LIFE REMAINING (THE PERIOD FROM DATE OF MANUFACTURING TO THE WARRANTED	
				EXPIRATION DATE) WHEN SHIPPED OR RECEIVED AT DESIGNATED PLACE OF DELIVERY TO SAUDI	
				ARAMCO. REFER TO SAP NUMBER: 1000840600 FOR # DISPOSABLE SUPER SACKS SPECIFICATIONS.	
				SUPPLIERS ARE REQUIRED TO WEIGHT THE TRUCKS BEFORE AND AFTER LOADING AND SUBMIT TO	
				MATERIAL SUPPLY AN OFFICIAL TICKET PRINT DATA STATING: DATE AND TIME, COMPANY AND	
				ADDRESS, TRUCK IDENTITY NUMBER, MATERIAL NAME, TRUCK WEIGHT BEFORE AND AFTER LOADING. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING	
				LOADING. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, ASTM D98-68/PRACTICE E29 / ASTM D345 - 02(2010) STANDARD TEST METHOD FOR CACL2	
				SAMPLING AND TESTING, CHEMICAL AND PHYSICAL	
				SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS -PURITY: CACL2 77%	
				WT. MINIMUM PASS THROUGH 7/16 IN SCREEN: 100%WT. NO PARTICLES GREATER THAN 11MM IN	
				ANY DIMENSION. ALKALI CHLORIDES AS NACL: 7% WT. MAXIMUM AND MGCL2: 1% WT. MAXIMUM	
				CALCIUM CHLORIDE (94-98%) 1000 KG/BIG BAG ADDITIVE DRILLING FLUID; DRY FLAKES, PELLETS, OR	
				GRANULAR FORM, DRY FLAKES, PELLETS, OR GRANULAR, WATER-SOLUBLE USED AS	
				WEIGHTING AGENT FOR FORMULATING SOLIDS-FREE COMPLETION BRINES AND TO PROVIDE THE	
				DESIRED WATER PHASE SALINITY AND ACTIVITY IN INVERT EMULSION MUDS IN ADDITION, IT IS USED AS AN ACCELERATOR IN OIL WELL CEMENT SLURRIES. CALCIUM CHLORIDE QUALITY IS	
				MONITORED BY EXPEC ARC LABORATORIES. EXPEC CERTIFICATE OF ACCEPTANCE (EXPEC/COA)	
1				REFERRING TO THE RESPECTIVE BATCH NUMBER MUST BE ATTACHED TO EACH SHIPMENT	
				DOCUMENTS ACCEPTED FOR FIELD APPLICATIONS., FOR USED AS WEIGHTING AGENT FOR	
				FORMULATING SOLIDS-FREE COMPLETION BRINES AND TO PROVIDE THE DESIRED WATER	
				PHASE SALINITY AND ACTIVITY IN INVERT EMULSION MUDS IN ADDITION, IT IS USED AS AN ACCELERATOR IN OIL WELL CEMENT SLURRIES, CALCIUM CHLORIDE 94-98%, 1000 KG (2204 LBS.)	
				MULTI-WALL MOISTURE-PROOF POLYETHYLENE LINED BAGS WITH LIFTING STRAPS, WITHOUT	
				BOTTOM SPOUT. LIFTING STRAP BAG IS DISPOSABLE, TOP CLOSURE WATERTIGHT, STACKABLE.	
Chemicals	1000022538	CALCIUM CHLORIDE(94-98%) 1000 KG BIG BAG	氯化钙 (纯度94-98%)	MINIMUM TENSILE STRENGTH FACTOR 5, FLEXURAL STRENGTH	N/A
				FOR NORMAL HANDLING & OUTSIDE STORAGE. THE DISPOSABLE SUPER SACKS SHOULD HAVE AT	
				LEAST 75% OF THEIR SHELF LIFE REMAINING (THE PERIOD FROM DATE OF MANUFACTURING TO THE	
				WARRANTED EXPIRATION DATE) WHEN SHIPPED OR RECEIVED AT DESIGNATED PLACE OF DELIVERY TO SAUDI ARAMCO. REFER TO SAP NUMBER: 1000840600 FOR # DISPOSABLE SUPER SACKS	
				SPECIFICATIONS. SUPPLIERS ARE REQUIRED TO WEIGHT THE TRUCKS BEFORE AND AFTER LOADING	
				AND SUBMIT TO MATERIAL SUPPLY AN OFFICIAL TICKET PRINT DATA STATING: DATE AND TIME,	
				COMPANY AND AND ADDRESS, TRUCK IDENTITY NUMBER, MATERIAL NAME, TRUCK WEIGHT BEFORE	
				AND AFTER LOADING. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT	
				PACKING MANUAL.,ASTM D98-68/PRACTICE E29 / ASTM D345 - 02 (2010) STANDARD TEST METHOD FOR CACL2 SAMPLING AND TESTING.CHEMICAL AND PHYSICAL	
				SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94	
				SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM	
Drilling Equipment	600004047	Isolation packer expandable	封磁器	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHLORIDES AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT.	11949
Drilling Equipment Drilling Equipment	600004047 6000010711	Isolation packer expandable ICO,4-1/2", NVAM, 12.68, EQUAUZER CFPLUS	封隔器 均衡器	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKAIL CHLORIDES AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER	11949 11525
		ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS	均衡器	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHLORIDES AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER PRODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND	
Drilling Equipment Drilling Equipment	6000010711 6000004065	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER	均衡器 封隔器	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUAUZER; ANY TYPE,EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVAT, ANY OD,ANY CONNECTN, KHUFF	11525 11535
Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封隔器	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKAU CHLORDES AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN, KHUFF PACKER; ANY TYPE,EQUALIZER PACKER, ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	11525 11535 11545
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER	均衡器 封隔器 鼓隔器隔间的件	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUAUZER; ANY TYPE,EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVAT, ANY OD,ANY CONNECTN, KHUFF	11525 11535 11545 11556
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,Z",VALVE+GRV PACKER+SEAL+MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer"	均衡器 封隔器 對隔器 隔赘與和附件 分级固并工具(DV)	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKAU CHLORDES AS NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN, KHUFF PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,SIZE ANY,ISOLATION VALVES AND ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS [OV,MULTI STAGE	11525 11535 11545 11556 11966
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055 6000010705	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-KOW PACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatble packer" VALVE,ICV,3-1/2",NVAM).2.2#,13CR,HCM-A	均衡器 封隔器 <u>封隔器</u> 隔离阀加附件 分级固并工具(DV) 并下流量控制阀((ICV) NVAM	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM A SMGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,EQUALIZER PACKER; RODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN, KHUFF PACKER; RAY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS (DV),MULTI STAGE ACCESSORY; ANY TYPE,SMART COMPLETION, ACCESSORIES, VARIOUS	11525 11535 11545 11556 11966 11977
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055 6000010705 000000000	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS P8R/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2", & 4-1/2") KIT,7",VALVE+GRV PACKER+SEAL+MFIV 13.3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,ICV,3-1/2",NVAM,9.2#,13CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300	均衡器 封隔器 封隔器 周高阀和时件 分级固井工具 (DV) 井下流置控制阀((ICV) NVAM 井口设备	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,GUALIZER PACKER; RODUCTION, PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVAT, ANY OD, ANY CONNECTN, KHUNF PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL ION INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS (DV), MULTI STAGE ACCESSORY; ANY TYPE,SMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment	11525 11535 11545 11556 11966 11977 11989
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055 6000010705 000000000 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE+GRV PACKER+SEAL+MFIV 13 3/8" DV TOOL HPHT 5K MUBI stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE_ICV,3-1/2", NVAM,9.2#,13CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 <u>封隔器</u> <u>周周微和时件</u> 分级固井工具 (DV) <u>井下远量控制阀((ICV) NVAM</u> 井口设备 (ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, EQUALIZER PACKER; RANY TYPE, EQUALIZER PACKER; RODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULC SET ACTIVATI.AMY 00,ANY CONNECTIN, KHUFF PACKER; RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE, FOR CEMENTING TOOLS (DV), MULTI STAGE ACCESSORY; ANY TYPE, SMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment	11525 11535 11545 11556 11966 11977 11989 12031
Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055 6000010705 000000000 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-GRV PACKER-BEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,ICV,3-1/2", NVAM9,2:87,13(CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 <u>封隔器</u> 高高阀和时件 分级固井工具 (DV) <u>井下流量控制阀((ICV) NVAM</u> <u>井口设备</u> ICD防砂筛管 ICD	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES S NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,EQUALIZER PACKER FRODUCTION; PERMANENT TYPE,FOR H2S, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN, KHUFF PACKER; RANY TYPE,EQUALIZER COLLAR PACKER; WITH MECHANICAL NUES SAND ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS (DV),MULTI STAGE ACCESSORIES, VARIOUS Weilhead Equipment PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Weilhead Equipment PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS	11525 11535 11545 11556 11966 11977 11989 12031 12032
Drilling Equipment	6000010711 6000004065 6000010715 6000015783 6000004055 6000010705 000000000 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE+GRV PACKER+SEAL+MFIV 13 3/8" DV TOOL HPHT 5K MUBI stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE_ICV,3-1/2", NVAM,9.2#,13CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 <u>封隔器</u> <u>周周微和时件</u> 分级固井工具 (DV) <u>井下远量控制阀((ICV) NVAM</u> 井口设备 (ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, EQUALIZER PACKER; RANY TYPE, EQUALIZER PACKER; RODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULC SET ACTIVATI.AMY 00,ANY CONNECTIN, KHUFF PACKER; RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE, FOR CEMENTING TOOLS (DV), MULTI STAGE ACCESSORY; ANY TYPE, SMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment	11525 11535 11545 11556 11966 11977 11989 12031
Drilling Equipment	6000010711 600004065 6000010715 6000015783 600004055 6000010705 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS P8R/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VAUXE+GRV PACKER+SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VAUXEJCV.3-1/2", NVAM9.28,132,R3H.CM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封隔器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUAUZER; ANY TYPE,EQUALZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVAT, ANY OD, ANY CONNECTN, KHUPF PACKER; ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER, ANY TYPE,EQUALZER, SAND SCREENS, ACCESSORIES, VARIOUS	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035
Drilling Equipment	6000010711 600004065 6000010715 6000015783 600004055 6000010705 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-KOW PACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,ICV,3-1/2", NVAM),2:2,13CR,HCM-A VALVE,ICV,3-1/2", NVAM),2:2,13CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 <u>封隔器</u> <u>隔离阀和时件</u> 分级固井工具 (DV) <u>井下远置控制阀((ICV) NVAM</u> <u>井口设备</u> (ICD50秒筛管 (ICD50秒筛管) (ICD50秒筛管)	SPECIFICATIONS APPEARANCE: DRY PREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER, ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER, RODUCTION, PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULCI SET ACTIVATI, ANY OD, ANY CONNECTIN, KHUFF PACKER, ROULTION, PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULCI SET ACTIVATI, ANY OD, ANY CONNECTIN, KHUFF PACKER, RAY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, SUBLATION VALVES AND ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER, RAY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER, ANY TYPE, EQUALIZER, SAN	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034
Drilling Equipment	6000010711 600004065 6000010715 6000015783 600004055 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-GRV PACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(U,3-1/2", NVAM),2.27, J3.CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封陽器 隔高阀和时件 分级固井工具 (DV) 井下流量控制阀((ICV) NVAM 井口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES S NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER RODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SWART COMPLETION, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VAR	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036
Drilling Equipment	6000010711 600004065 6000010715 6000015783 600004055 6000010705 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS P8R/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VAUXE+GRV PACKER+SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VAUXEJCV.3-1/2", NVAM9.28,132,R3H.CM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封隔器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUAUZER; ANY TYPE,EQUAUZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVAT, ANY OD, ANY CONNECTN, KHUFF PACKER; ANY TYPE,EQUAUZER COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER STOP COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CCEMENTING TOOLS (DV), MULTI STAGE ACCESSORY, ANY TYPE,EQUAUZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUAUZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUAUZER, SAND SCRE	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035
Drilling Equipment Drilling Equipment	6000010711 600004065 6000010715 6000015783 600004055 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-GRV PACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(CV,3-1/2", NVAM),2.27, J3.CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封陽器 隔高阀和时件 分级固井工具 (DV) 井下流量控制阀((ICV) NVAM 井口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES S NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER RODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SWART COMPLETION, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VAR	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036
Drilling Equipment	6000010711 600004065 6000010715 6000015783 6000015783 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE+GRV PACKER+SEAL+MFIV 13,36" DV TOOL IPHT 5K MUIti stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,ICV,3-1/2", NVAM,9.2#,13CR,HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2")	均衡器 封隔器 封隔器 隔离倾和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUAUZER; ANY TYPE,EQUAUZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN,KHUFF PACKER; ANY TYPE,EQUAUZER COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE,FOR CEMENTING TOOLS [DV],MULTI STAGE ACCESSORY; ANY TYPE,EQUAUZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUAUZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUAUZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036
Drilling Equipment	6000010711 6000010715 6000010715 6000010715 6000010705 000000000 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000015510	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-GRV PACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE_ICV,3-1/2", NVAM9,2:87,13(CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP	均衡器 封隔器 封陽器 高高阀和时件 分级固并工具(DV) 并下流量控制阀((CV)NVAM 并口设备 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM A SM GCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER FRODUCTION; PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES COLLAR PACKER; WITH MECHANICAL NON INFLATABLE PACKER TYPE, FOR CEMENTING TOOLS (DV), MULTI STAGE ACCESSORY; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036 11032
Drilling Equipment Drilling Equi	6000010711 6000010711 6000010715 6000010715 6000010705 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") K17,J",AULYEGN PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(V,3-1/2", NVAM).22, #13,CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP	均衡器 封隔器 封陽器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES S NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULU SET ACTIVAT,ANY OD,ANY CONNECTN,KHUFF PACKER; ANY TYPE,EQUALIZER COLLAR PACKER; WITH MECHANICAL NUES SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUALIZER, SAND SCREENS,	11525 11535 11545 11566 11966 11977 11989 12031 12032 12033 12035 12036 11032 11041 11042
Drilling Equipment Electrical Electrical	6000010711 6000010711 6000010715 6000010715 6000010705 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") K17,J",AULYEGN PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(V,3-1/2", NVAM).22, #13,CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP	均衡器 封隔器 封陽器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER, ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER RODUCTION, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULC SET ACTIVATI.AMY 00, ANY CONNECTIN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, STAND, ANY CONNECTIN, KHUFF PACKER, WITH MECHANICAL NON INFLATABLE PACKER TYPE, FOR CEMENTING TOOLS (DV/MULTI STAGE ACCESSORY; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SC	11525 11535 11545 11566 11966 11977 11989 12031 12032 12033 12035 12036 11032 11041 11042
Drilling Equipment Electrical Electrical	6000010711 6000010711 6000010715 6000010715 6000010705 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") K17,J",AULYEGN PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(V,3-1/2", NVAM).22, #13,CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP	均衡器 封隔器 封陽器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDIES S NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE,MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE,EQUALIZER PACKER PRODUCTION; PERMANENT TYPE,FOR H25, WIRELINE SET AND HYDRAULU SET ACTIVAT,ANY OD,ANY CONNECTN,KHUFF PACKER; ANY TYPE,EQUALIZER COLLAR PACKER; WITH MECHANICAL NUES SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE,EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE,EQUALIZER, SAND SCREENS,	11525 11535 11545 11566 11966 11977 11989 12031 12032 12033 12035 12036 11032 11041 11042
Drilling Equipment Drilling Equi	6000010711 6000010715 6000010715 6000010715 6000010705 000000000 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000015510 6000015510 6000015710	ICD,4-1/2", NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2", VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") IK1,7", VALVER KOW PACKERS-EAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(UZ,3-12", NVAM), 22,8",31GCH/LCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP ANODE: GALVANIC, MAGNESIUM,CP	均衡器 封隔器 封隔器 <u>封隔器</u> <u>周高阀和时件</u> 分级周井工具 (DV) <u>井下流量控制阀((CV) NVAM</u> <u>井口设备</u> ICD防砂筛管 ICD防砂 ICD ICD ICD ICD ICD ICD ICD ICD	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER, ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER, ANY TYPE, EQUALIZER PACKER, ROULCTION, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER, RONUTTOR, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS ANODE IMPRESSED CURRENT; GRID SYSTEM, WITHOUT LEAD TRIMINAL, MIKED METAL ONICE COATED TTANIUM BASE, ITTANIUM CONDUCTOR BAR & ANODE WIRE CONNECTION, FOR CATHODIC CANTO TOTOMARSORIES, VARIOUS ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC ANOD	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036 11032 11041 11042 11053
Drilling Equipment Drilling Equi	6000010711 6000010711 6000010715 6000010715 6000010705 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") K17,J",AULYEGN PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(V,3-1/2", NVAM).22, #13,CR;HCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP	均衡器 封隔器 封陽器 高周和时件 分级固并工具 (DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICD ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管 ICD防砂筛管	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHLORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER; RODUCTION; PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER; RAY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; RAY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACK	11525 11535 11545 11566 11966 11977 11989 12031 12032 12033 12035 12036 11032 11041 11042
Drilling Equipment	6000010711 6000010715 6000010715 6000010715 6000010705 000000000 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000015510 6000015510 6000015710	ICD,4-1/2", NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2", VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") IK1,7", VALVER KOW PACKERS-EAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(UZ,3-12", NVAM), 22,8",31GCH/LCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP ANODE: GALVANIC, MAGNESIUM,CP	均衡器 封隔器 封隔器 <u> 封隔器</u> <u> 周高阀和时件</u> 分级周井工具 (DV) <u> 井下流量控制阀((CV) NVAM</u> <u> 井口设备</u> <u> ICD防砂筛管</u> <u> ICD防砂</u> 筛管 <u> ICD</u> 防砂 <u> </u> <u> ICD</u> <u> ICD</u>	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHLORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER, ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER, ANY TYPE, EQUALIZER PACKER, RODUCTION, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULCI SET ACTIVATI.AMY 00, ANY CONNECTIN, KHUFF PACKER, RAYY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, SEL ANY, JSOLATION VALVES AND ACCESSORIES, VARIOUS VALVE, ANY TYPE, SEL ANY, JSOLATION VALVES AND ACCESSORIES, VARIOUS WALVE, ANY TYPE, SEL ANY, JSOLATION VALVES AND ACCESSORIES, VARIOUS WALVE, ANY TYPE, SEL ANY, JSOLATION VALVES AND ACCESSORIES, VARIOUS WALVE, ANY TYPE, SEL ANY, JSOLATION VALVES AND ACCESSORIES, VARIOUS PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER, ANY TYPE, EQUALIZER, SAN	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036 11032 11041 11042 11053
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Drilling Equipment Electrical Electrical Electrical Electrical Electrical	6000010711 6000010715 6000010715 6000010715 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000012750 6000012790	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",NTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-KGW PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE_(UC,3-1/2", NVAM).28,213,2G,HLCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP BOX: JUNCTION, FOR U/G ANODE BED,CP	均衡器 封隔器 封隔器 <u>期隔器</u> <u>周高阀和时件</u> 分级固并工具(DV) <u>并下流量定时间((LC) NVAM</u> <u>并口设备</u> (LC)防砂筛管 (LC)TO (LC	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER FRODUCTION; PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULU SET ACTIVATI,ANY OD, ANY CONNECTN, KHUFF PACKER, FANY TYPE, EQUALIZER COLLAR PACKER; WITH MECHANICAL NUES SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VEIIhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TY	11525 11535 11545 11545 11546 11976 11977 11989 12031 12032 12033 12034 12035 12036 11032 11041 11042 11053
Drilling Equipment Drilling Equi	6000010711 6000010715 6000010715 6000010715 6000010705 000000000 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000015510 6000015510 6000015710	ICD,4-1/2", NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2", VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") IK1,7", VALVER KOR PACKERS-EAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,(UZ,3-12", NVAM), 22,8",31GCH/LCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP ANODE: GALVANIC, MAGNESIUM,CP	均衡器 封隔器 封隔器 <u> 封隔器</u> <u> 周高阀和时件</u> 分级周井工具 (DV) <u> 井下流量控制阀((CV) NVAM</u> <u> 井口设备</u> <u> ICD防砂筛管</u> <u> ICD防砂</u> 筛管 <u> ICD</u> 防砂 <u> </u> <u> ICD</u> <u> ICD</u>	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM A SM GCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER; ROULCTION; PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULIC SET ACTIVATI, ANY OD, ANY CONNECTN, KHUFF PACKER; RONY TYPE, EQUALIZER; AND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SWART COMPLETION, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SUMART COMPLETION, ACCESSORIES, VARIOUS Wellhead Equipment PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARI	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12034 12035 12036 11032 11041 11042 11053
Drilling Equipment Electrical Electrical Electrical Electrical Electrical Electrical	6000010711 6000010715 6000010715 6000010715 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000012510 6000012790 6000012080	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",VTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,J",VALVE-KOR VPACKER-SEAL-MFIV 13 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE,L(V, 3-1/2", NVAM), 2:8, 13/CR,H/CM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; GALVANIC, HIGH TEMPERATURE ZINC, CP ANODE; GALVANIC, MAGNESIUM, CP BOX: JUNCTION, FOR U/G ANODE BED, CP POWER SUPPLY, ELECTRICAL; SOLAR, CP	均衡器 封陽器 封陽器 周高阀和时件 分级周井工具(DV) 并下流量控制阀((ICV) NVAM 并口设备 ICD防砂筛管 ICDNO ICDS ICDNO IC	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER, ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER, ANY TYPE, EQUALIZER PACKER, RODUCTION, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULCI SET ACTIVATI.ANY 00, ANY CONNECTTN, KHUFF PACKER PRODUCTION, PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULCI SET ACTIVATI.ANY 00, ANY CONNECTTN, KHUFF PACKER, RAY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE, ANY TYPE, STAMA TOM VIALVES AND ACCESSORIES, VARIOUS VALVE, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS Wellmead Equipment PACKER, ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS ANODE MARESSED CURRENT, GRID SYSTEM, WITHOUT LEAD TREMINAL, MIXED METAL AURO E ONDUCTO, RA ANODE WIRE CONNECTION, FOR CATHODIC PROTECTION, 1, SAMSS-006, CATHODIC ANODE GALVANIC; HICH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC ANODE GALVANIC; HICH TEMPERATUR	11525 11535 11545 11556 11966 11977 11989 12031 12032 12033 12035 12036 11032 11041 11042 11053 11062
Drilling Equipment Drilling Equi	6000010711 6000010715 6000010715 6000010715 6000010705 6000010705 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000010715 6000012750 6000012790	ICD,4-1/2",NVAM,12.6#,EQUALIZER CFPLUS PBR/SEAL,4-1/2",NTHC,15.1#,125KSI,LOWER Tracer Subs system (3-1/2" & 4-1/2") KIT,7",VALVE-KGW PACKER-SEAL-MFIV I3 3/8" DV TOOL HPHT 5K Multi stage cementing tools (DV) with "Mechanical non inflatable packer" VALVE_(UC,3-1/2", NVAM).28,213,2G,HLCM-A Wellhead Equipment MSG 6000, 6100, 6200, 6300 Tracer Subs system (3-1/2" & 4-1/2") ANODE; MMO GRID, WITHOUT LEAD; CP ANODE; GALVANIC,HIGH TEMPERATURE ZINC,CP BOX: JUNCTION, FOR U/G ANODE BED,CP	均衡器 封隔器 封隔器 <u>期隔器</u> <u>周高阀和时件</u> 分级固并工具(DV) <u>并下流量定时间((LC) NVAM</u> <u>并口设备</u> (LC)防砂筛管 (LC)TO (LC	SPECIFICATIONS APPEARANCE: DRY FREE FLOWING WHITE FLAKES OR PELLETS - PURITY: CACL2 94 %WT. MINIMUM PASS THROUGH 4 MESH SCREEN: 100%WT. NO PARTICLES GREATER THAN 4.5MM IN ANY DIMENSION ALKALI CHORIDES SA NACL: 5.0%WT. MAXIMUM - AS MGCL2: 0.5%WT. PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS EQUALIZER; ANY TYPE, EQUALIZER PACKER RODUCTION; PERMANENT TYPE, FOR H25, WIRELINE SET AND HYDRAULIC SET ACTIVATI,ANY OD,ANY CONNECTN, KHUFF PACKER, RANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SWART COMPLETION, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SWART COMPLETION, ACCESSORIES, VARIOUS VALVE; ANY TYPE, SUMART COMPLETION, ACCESSORIES, VARIOUS PACKER; ANY TYPE, EQUALIZER, SAND SCREENS, ACCESSORIES, VARIOUS ANODE GALVANIC; HIGH TEMPERATURE ZINC, 17-SAMSS-006, CATHODIC ANODE GALVANIC; HIGH TEMPERATURE ZINC	11525 11535 11545 11545 11546 11976 11977 11989 12031 12032 12033 12034 12035 12036 11032 11041 11042 11053

				UNIT; MOBILE SUBSTATION TYPE,TMSS-01,35-TMSS-1 TMSS-10,46-TMSS-6 TMSS-1,31-TMSS-2 TMSS-2,32-TMSS-3 51-TMSS-1 37-TMSS-1 TMSS-03,11-SDMS-03 54-TMSS-1,MOBILE SUBSTATION AS PER ATTACHED TECHNICAL SPECIFICATION, BASED ON SEC STANDARDS,#SCOPE INCLUDES	
Electrical	6000015902	UNIT; MOBILE SUBSTATION	移动变电站	BUT IS NOT LIMITED TO THE FOLLOWING: ENGINEERING, DESIGN, MANUFACTURING, ASSEMBLING, FACTORY TESTING, DELIVERY TO KSA, MINISTRY OF TRANSPORT APPROVAL, DOCUMENTATION,#SPARE PARTS CATALOGUE, SUPPLY OF CRITICAL SPARE PARTS FOR COMMISSIONING, SITE PRE-COMMISSIONING.#	11567
Electrical	6000016594	CAPACITOR BANK	电容器组	UNIT; SHUNT CAPACITOR TYPE,43-TMSS-01,SAES-P-116,POWER FACTOR CORRECTION CAPACITOR BANK 4.16KV THROUGH 380KV	11577
Electrical	600000919	SWITCHGEAR; LV CONTROLGEAR, FIREWATER PU	开关柜,低压控制柜,消防水泵类型	SWITCHGEAR; CONTROLGEAR, FIREWATER PUMP TYPE, ANY BIL, UL-218, LOW VOLTAGE, OUTDOOR	11587
Electrical	600000920	SWITCHGEAR; HV CONTROLGEAR, FIREWATER PU	开关柜,高压控制柜,消防水泵类型	SWITCHGEAR; CONTROLGEAR, FIREWATER PUMP TYPE, ANY BIL, UL-218, HIGH VOLTAGE, OUTDOOR	11597
Electrical	600000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	高压隔离开关	SWITCH DISCONNECT; HIGH VOLTAGE, ANY ACTION, ELECTRICAL TYPE, 30-TMSS-01	11607
Electrical Electrical	6000016991 6000000774	UNIT; MOBILE SUBSTATION; 69KV AND BELOW TRAY; CABLE, FIBERGLASS	移动变电站,69KV及以下 玻璃钢桥架	UNIT; MOBILE SUBSTATION TYPE,OPERATING AT 69KV AND BELOW TRAY; CABLE TYPE,FIBERGLASS,NEMA FG-1,S-P-104 SEC. 9	11617 11623
Electrical	600000841	CIRCUIT BREAKER; AIR; 480 V; LOW VOLTAGE	断路器,空气开关,480V低压	CIRCUIT BREAKER AIR; ANY POLE,480 V,LOW VOLTAGE POWER TYPE,FRAME ANY,40 DEG C AMBIENT,FOR INDOOR,16-SAMSS-502	11634
Electrical	600000999	FORM-WOUND BRUSHLESS SYNCH. MOTOR	无刷同步电机	MOTOR SYNCHRONOUS; 500 HP MINIMUM POWER,4000 V MINIMUM,3 PHASE PHASE,HORIZONTAL MTG,17-SAMSS-520	11643
Electrical	600000803	CABLE, POWER, 230 KV, L PRESSURE OIL FILLED	电力电缆,230KV,低压力油田使用	CABLE ELECTRICAL HIGH VOLTAGE; HIGH VOLTAGE SUPPLY,ANY CONDUCTO,PIPE OR SELF CONT OIL FILLED TYPE,HIGH MED OR LOW PRESSURE TYPE,AEIC CS9	11653
Electrical	600000929	CABLEBUS 16-SAMSS-520	电缆总线	BUS; SIZE ANY,CABLE,16-SAMSS-520 PANEL; HYDRAULIC, SSV & SSSV TYPE,HYDRAULIC,SSV SSSV,AC APPLICATIONS 34-SAMSS-624,34-	11663
Electrical	600003728	PANEL; HYDRAULIC; SSV & SSSV	液压控制面板, SSV&SSSV类型	SAMSS-630 PANELBOARD ELECTRICAL; ANY BREAKER, LOW VOLTAGE, EXPLOSIONPROOF TYPE, ANY, 16-SAMSS-518	11673
Electrical	600000897 600007258	PANELBOARD,LOW VOLTAGE, EXPLOSIONPROOF RACK; SWITCHRACK;OUTDOOR;LOW VOLTAGE	低压防爆控制柜 低压室外开关架	RACK; SWITCHRACK,OUTDOOR,LOW VOLTAGE TYPE,16-SAMSS-512	11683 11693
Electrical Electrical	6000007258	TRANSFORMER; DISTRIBUTION; 60; 30 DEG C	分布式变压器	TRANSFORMER DISTRIBUTION; ANY POWER,60,ANY MTG,40 DEG C MAX	11703
Electrical	6000011391	RECTIFIER; IMPRESSED CURRENT; 17-SAMSS-0	整流器,外加电流	AMB,CLASS OA,OIL INSUL,65 DEG C RISE,14-SAMSS-534,OVERHEAD RECTIFIER; TYPE CONSTANT VOLTAGE,TAP TYPE,17-SAMSS-004,FOR CATHODIC PROTECTION	11723
Electrical	600000763	TRANSFORMER, POWER, DRY ABOVE 501 KVA	干式电力变压器,大于501KVA	TRANSFORMER; ABOVE 501 KVA POWER, HIGH VOLT- DELTA , LOW VOLT - WYE TERMINAL,3	11733
Electrical	6000012042	UPS SYS ABOVE 10 TO 200KVA FOR IT & COMM	通信用不间断供电电源	PHASE,60,DRY, POWER TYPE,14-SAMSS-533 POWER SUPPLY UNINTERRUPTIBLE; ABOVE 10 KVA UP TO 200 KVA POWER,17-SAMSS-516,SAES-P-103,MANUFACTURER STANDARD PRODUCT, IT	11743
				& COMMUNICATION PRODUCT RANGE SWITCHGEAR; MANUALLY OPERATED TYPE,1 TO 36 KV,ANY BIL,PAD	
Electrical	600000894	SWITCHGEAR: SF-6, 1 TO 36 KV	SF-6环网柜, 1-36KV	MTG,16-SAMSS-510,ANSI/IEEE OR IEC,SF-6, RECTIFIER IMPRESSED CURRENT; HODIC PROTECTION SE CONTROL	12618
Electrical	600001014	CP,POWER SUPPLY;RECTIFIER;IMPRESSED CURR	整流器外加电流,阴保供电类型	TYPE,ANY OUTPUT,17-SAMSS-005 TRANSFORMER DISTRIBUTION; ANY POWER,HV - DELTA, LV - WYE TERMINAL,3 PHASE,5 TAP5,60,PAD	10999
Electrical	600000761	TRANSFORMER, DISTRIBUTION, PAD MOUNTED	分布式变压器,座安装型	MTG,40 DEGREE C MAX AMB,CLASS OA,OIL INSUL,65 DEGREE C RISE,14-SAMSS-536	11111
Electrical	600000761	TRANSFORMER, DISTRIBUTION, PAD MOUNTED	分布式变压器,座安装型	TRANSFORMER DISTRIBUTION; ANY POWER,HV - DELTA, LV - WYE TERMINAL,3 PHASE,5 TAP5,60,PAD MTG,40 DEGREE C MAX AMB,CLASS OA,OIL INSUL,65 DEGREE C RISE,14-SAMSS-536	11112
Instrumentation and IT	600002725	ESD; ELECTRONIC; SOLID STATE	固态形式紧急关断系统	RELAY PROTECTION SOLID STATE; ANY COIL,ANY CONTACT,ANY TYPE,EMERGENCY SHUTDOWN SYSTEM ACTION,34-SAMSS-621,SOLID STATE ELECTRONICS BASED USED TO SAFELY SHUTDOWN A PROCESS IN CASE OF PROCESS DEVIATING TO HAZARDOUS OPERATING CONDITIONS.	11713
Instrumentation and IT	6000002786	MONITOR; GAS; HYDROGEN SULFIDE;	硫化氢气体探测器	MONITOR GAS; HYDROGEN SULFIDE, ANY RANGE, 34-SAMSS-514 CONTROLLER: COMPRESSOR INCLUDING SURGE CONTROL TYPE ANY RANGE SPECIALIZED CONTROL	11752
Instrumentation and IT	6000001582	CONTROLLER; ELECTRONIC;COMPRESSOR	压缩机控制器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS	11762
Instrumentation and IT Instrumentation and IT	6000001582 6000002782	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE	压缩机控制器 可燃气体探测器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR	11762 11773
Instrumentation and IT	6000001582	CONTROLLER; ELECTRONIC;COMPRESSOR	压缩机控制器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE,REMOTE TERMINAL,23-SAMSS-030	11762
Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR	压缩机控制器 可燃气体探测器 雷达液位储罐计量系统	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER	11762 11773 11782
Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE	压缩机控制器 可燃气体探测器 雷达液位 储罐计量系统 远程终端单元	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL,TYPE,REMOTE TERMINIAL,23-SAMSS-030 SYSTEM-METERMING, CUSTODY TRANSFER METERING TYPE,34-SAMSS-167, TRUCK LOADING, POS DISP,	11762 11773 11782 11792
Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP	压缩机控制器 可燃气体探测器 雷达液位 储罐计量系统 远程终端单元 卸车计量系统	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE,REMOTE TERMINAL,23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167,TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLIS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK	11762 11773 11782 11792 11800
Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING;	压缩机控制器 可燃气体探测器 雷达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 开路式可燃气体探测器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-S14 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNT; REMOTE TERNIINAL TYPE,REMOTE TERNIINAL,23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167, TRUCK LOADING, PO BETER, TRUCK LOADING, PO METER, TRUCK LOADING, COROLIS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514,OPEN PATH TYPE	11762 11773 11782 11792 11800 11809
Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 6000009918	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP	压缩机控制器 可燃气体探测器 雷达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 校验气缸	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE,REMOTE TERMINAL 23-SAMSS-030 SYSTEM-METERINIG; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167,TRUCK LOADING, PO DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLIS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, POS DISP	11762 11773 11782 11792 11800 11809 11818
Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000009918 6000002787	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP	压缩机控制器 可燃气体探测器 雷达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 开路式可燃气体探测器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-S14 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE,34-SAMSS-321,SAES-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNT; REMOTE TERNIINAL TYPE,REMOTE TERNIINAL,23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167, TRUCK LOADING, PO BETER, TRUCK LOADING, PO METER, TRUCK LOADING, COROLIS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514,OPEN PATH TYPE	11762 11773 11782 11792 11800 11809 11818 11828
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 6000009918 6000002787 6000002689	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR	压缩机控制器 可燃气体探测器 雷达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 校验气缸	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE,REMOTE TERMINAL,23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-167,TRUCK LOADING, PO SIESP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLD KMETER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, PO S DISP MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514,OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE,SIZE ANY,ANY,FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE,LEVEL,RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE,SAES-2-003,THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLOS) APPLICATIONS.	11762 11773 11782 11792 11800 11809 11818 11828 11828 11828
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002827 6000002787 6000002689 6000002764	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE	正 缩机控制器 可燃气体探测器 雷达液位 储罐计量系统 远程终端单元 卸车计量系统 第达液位 储罐计量 卸车计量系统 野车计量系统 晋达波位储罐计量 雷达波位储罐计量 雷达波位储罐计量 雷达波位储罐计量 雷达波位储罐计量 雷达波位试验	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING, SYSTEMS FOR CUSTODY TRANSFER TYPE,34-SAMSS-167,TRUCK LOADING, PO STERS GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE CONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, PO STERS GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-194,OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE,SIZE ANY,ANY,FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE,LEVEL,RADIATION TYPE DETECTOR LEAK; FIBER OPTIC TYPE,FOR PIPELINE,SAES-2-003,THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLOS) APPLICATIONS. VALVE RELIEF; SIZE ANY,ANY END CONN,ANY SUPPLY,ANY,SAESJ-605,SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES.	11762 11773 11782 11792 11800 11809 11818 11828 11838 11838 11848
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002787 6000002784 6000002784 6000002764 6000012803 6000012803 60000012803	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING	正確切控制器 可燃气体探测器 雪达液位 储罐计量系统 近程终端单元 卸车计量系统 雷达液位 储罐计量 卸车计量系统 雷达液位 储罐计量 算车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管造泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUJOTOY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR UNIT; REMOTE TERMINAL TYPE, REMOTE TERMINAL, 23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, PO BETER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLD5) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-3-605, SURGE, PILOT OPERATED TYPE , FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-847, FOR TRUCK LOADING AND UNLOADING SYSTEMS	11762 11773 11782 11792 11800 11809 11818 11828 11838 11848 11848 11858
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002787 6000002784 6000002784 6000002784 6000012803 6000012803 60000012803	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC	正確切控制器 可燃气体探测器 雪达液位 储罐计量系统 近程终端单元 卸车计量系统 雷达液位 储罐计量 卸车计量系统 雷达液位 储罐计量 算车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管造泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤电缆	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE,ANY RANGE,34-SAMSS-321,SAE5-Y-301,RADAR TANK GAUGING, SPD ETER, TRUCK LADAING, CORIOLS METER GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE,34-SAMSS-168,TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE,ANY RANGE,34-SAMSS-514,OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE,SIZE ANY,ANY,FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE,LEVEL,RADIATION TYPE DETECTOR LEAK; RIBER OPTIC TYPE,FOR PIPELINE,SAE5-2-003,THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (LPGJ) APPLICATIONS. VALVE RELIEF; SIZE ANY,ANY END CONN,ANY SUPPLY,ANY,SAE5J-605,SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE,34-SAMSS-847,FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMULICATIONS; ANY CONDUCTO,FIBER OPTIC TYPE,18-SAMSS-847,FOR TRUCK LOADING AND UNLOADING SYSTEMS	11762 11773 11782 11782 11800 11809 11818 11828 11838 11848 11858 11868 11868 11878 11888
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 6000009918 6000002787 6000002787 6000002784 6000014893 60000012803 60000012803 6000001216 6000010821	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE	正確却控制器 可燃气体探测器 雪送液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 常车计量系统 开路式可燃气体探测器 气体探测器校验气缸 雷达液位计 光纤管造泄霜监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型电动执行机构	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER UNIT; REMOTE TERMINAL TYPE, REMOTE TERMINAL, 23-SAMSS-030 SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, PO BETER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, PO STERS GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, PO S DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAX; FIRER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURE. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES J-605, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-647, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS, ANY CONDUCTO, FIBER OPTIC TYPE, IS-SAMSS-625 ACTUATOR VALVE ELECTRIC; SIZE ANY, ANY ACTION, 34-SAMSS-716, ELECTRIC ACTUATOR FOR OPERATING VALVE, FALLSAFE DESIGN	11762 11773 11782 11792 11800 11809 11818 11828 11838 11848 11858 11868 11868 11878 11888 11898
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 600000282 6000002787 6000002787 6000002784 6000014893 60000012803 60000012803 6000001281 6000001281 6000002914	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered	庄缩机控制器 可燃气体探测器 雪法液位 储罐计量系统 远程终端单元 卸车计量系统 卸车计量系统 雷法液位 储罐计量 卸车计量系统 罪法液位 储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型 电动执行机构 气相色谱分析仪	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-S14 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; RIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSS THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DEFECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY, ANY CONDUCTIVITY OF THE CABLE TO DEFECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY EDD CONN, ANY SUPPLY, ANY, SASS-467, FOR TRUCK LOADING AND UNLOADING SYSTEMS. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-647, FOR TRUCK LOADING AND UNLOADING SYSTEMS.	11762 11773 11782 11792 11800 11809 11818 11828 11838 11848 11858 11858 11868 11878 11888 11898 11908
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002787 6000002784 6000002784 6000002784 6000012803 60000012803 60000012803 6000001281 6000002846	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS	正確却控制器 可燃气体探测器 雪达液位 储罐计量系统 近程终端单元 卸车计量系统 雷达液位 储罐计量 卸车计量系统 雷达液位 储罐计量 卸车计量系统 雷达液位 储罐计量 算子计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄漏监测系统 朱导式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型 电动执行机构 气相色谱分析仪 玻璃液位表	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUJOTOY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUJOTOY TRANSFER THERING TYPE, 34-SAMSS-167, TRUCK LOADING, PO BETER UNIT; REMOTE TERMINAL TYPE, REMOTE TERMINAL, 23-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLIS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. OR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS VALVE RELIEF; SIZE ANY, ANY END COMN, ANY SUPPLY, ANY, SAES-3-60, SURGE, PILOT OPERATED TYPE , FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-647, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, IB-SAMSS-625 ACTUATOR VALVE, ELECLENCIS ZEA ANY, ANY ACTION, 34-SAMSS-710, ELECTRIC ACTUATOR FOR OPERATING VALVE, FAILSAFE DESIGN ANALYZER; CAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-710, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED. ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, 45AMPLE: BOILING POINT, FLASH POINT, POUR	11762 11773 11782 11782 11800 11809 11818 11828 11838 11848 11858 11868 11868 11878 11888 11898 11908 11918
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 600000282 6000002787 6000002787 6000002784 6000014893 60000012803 60000012803 6000001281 6000001281 6000002914	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered	庄缩机控制器 可燃气体探测器 雪法液位 储罐计量系统 远程终端单元 卸车计量系统 卸车计量系统 雷法液位 储罐计量 卸车计量系统 罪法液位 储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤管缆 失效安全型 电动执行机构 气相色谱分析仪	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNILOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNILOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; IBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSS THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY EDD CONN, ANY SUPELY, ANY, SAES-160, SLUGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OR-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-547, FOR TRUCK LOADING AND UNLOADING SYSTEMS. CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625 ACTUATOR VALVE ELECTIK; SIZE ANY, ANY ACTION, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED.	11762 11773 11782 11792 11800 11809 11818 11828 11838 11848 11858 11858 11868 11878 11888 11898 11908
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002787 6000002787 6000002784 6000002764 60000014893 60000012803 60000012803 60000012803 60000012803 6000001286 6000001281 6000002886 6000002886 6000014021	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS; CUNIDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY PROVER, SMALL VOLUME, UNI PISTON	正確却控制器 可燃气体探测器 雷达液位储罐计量系统 近程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 算车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤管道泄露监测系统 先导式水击泄压阀 专和专家年系统预置控制器 光纤管道过露监测系统 专用色谱分析仪 玻璃液位表 物性分析仪 液位计校准仪	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTOPY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTOPY TRANSFER UNIT; REMOTE TERMINAL TYPE, REMOTE TERMINAL, 23-SAMSS-107, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLIS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTOPY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLIS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTOPY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPELY, ANY, SAES-3-603, SURGE, PILOT OPERATED TYPE , FACTORY TESTING IS REQUIDED FOR COMPLEX RATE-O-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625 ACTUATOR YALVE ELECTICS, ZZE ANY, ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625 ACTUATOR YALVE ELECTICS, ZZE ANY, ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 24-SAMSS-510, PROCESS	11762 11773 11782 11782 11800 11809 11809 11808 11828 11838 11858 11868 11878 11888 11898 11908 11918 11927 11936
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 6000009918 6000002787 6000002787 6000002784 6000014893 6000012803 60000012803 6000001821 6000002886 6000014021	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property	正確切控制器 可燃气体探测器 雪达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雪花次位储罐计量 卸车计量系统 青春城 雪达液位储罐计量 卸车计量系统 青春城 青春城 并路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄露监测系统 先客式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型 电动执行机构 气相色谱分析仪 玻璃位表 物性分析仪	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, CORIOLS METER GAUGE; RADAR TYPE, RATUCK LOADING, CORIOLS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; RIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSS THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY FOR COMFLEX RATE-OR-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-547, FOR TRUCK LOADING AND UNLOADING SYSTEMS. CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625 ACTUATOR VALVE ELECTICS; SIZE ANY, ANY ACTION, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY; REQUIRED. ANALYZER; FINSCAL PROPERTY TYPE, ANY RANGE, 84-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FRAPEZ POINT, OCTANE, AND VISCOSITY) METER; UND PISTON(SMALL VOLUM) PROVER TYPE, 34-SAMSS-5119, FOR LIQUID CUSTODY TRANSFER	11762 11773 11782 11782 11800 11809 11809 11818 11828 11838 11838 11848 11858 11858 11868 11878 11878 11888 11898 11908 11908 11918 11927
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 600000282 6000002784 6000002784 6000002784 6000012803 60000012803 60000012803 6000001281 6000002886 6000002886 6000002880 6000009893 6000009831 6000009831	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY METER, POS DISPL , LIQUID	正報約控制器 可燃气体探测器 雪达液位储罐计量系统 近程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 算法演位 算法演位 算法演位 常年 小野菜、 卡车表车系统预置控制器 光纤管造泄漏监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤管造造型構成 大好空型 电动执行机构 气相色谱分析仪 玻璃液位表 物性分析仪 液位 運動電調算波流量计 目动取得系统	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUJOTOY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUJOTOY TRANSFER THERING TYPE, 34-SAMSS-167, TRUCK LOADING, PO BETER UNIT; REMOTE TERMINAL TYPE, REMOTE TERMINAL, 23-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLD KMETER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPPLY, ANY, SAES-3-465, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-847, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, IB-SAMSS-625 ACTUATOR Y LESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, IB-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED. ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, 45-SAMSS-710, FOR CUATOR FOR OPERATING VALVE, FILLERIC; SIZE ANY, ANY ACTION, 34-SAMSS-710, FROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY	11762 11773 11782 11782 11800 11809 11818 11828 11828 11848 11858 11868 11868 11878 11868 11878 11888 11898 11908 11918 11927 11936 11924
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000009918 600000283 600000286 6000012803 60000012803 6000001821 6000001821 6000002886 60000014021 6000002890 6000009800	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY PROVER, SMALL VOLUME, UNI PISTON CUSTODY METER, POS DISP, LIQUID Custody Meter, MUIL-Path, Ultrasonic Liquid	正確却控制器 可燃气体探测器 雪达液位储罐计量系统 远程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位 雪波雪燃点 汽格探测器 校验气缸 雷达液位计 光纤管造泄震监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型 电动执行机构 气相色谱分析仪 玻璃液位表 物性分析仪 液位计校准仪 正位移液体流量计 多通道超声波流量计	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-S14 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER THERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLJS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLJS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPELY, ANY, SAES-3-60, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIDED FOR COMPLEX RATE-O-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, FOR TRUCK LOADING AND UNLOADING SYSTEMS ACTUATOR YALVE, ELECTIC, SIZE ANY, ANY CONDUCTO, FIBER OPTIC TYPE, 14-SAMSS-510, CONTOR CORDATED TRANSFER FLOWMETER; CU	11762 11773 11782 11782 11800 11809 11818 11828 11838 11848 11858 11868 11868 11878 11868 11878 11888 11908 11908 11918 11927 11936 11952 12014
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 600002822 600000282 6000002787 6000002787 6000002784 6000014893 6000012803 6000012803 6000012803 6000001281 6000001281 6000002886 6000014021 6000002886 6000014021 6000009893 6000009893 6000009893	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CULINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY PROVER, SMALL VOLUME, UNI PISTON CUSTODY METER, POS DISPL , LIQUID CUSTODY DENSITY METER, LIQUID CUSTODY DENSITY METER, LIQUID	正確却控制器 可燃气体探测器 雷达液位储罐计量系统 近程终端单元 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 雷达液位储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管造泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤管造泄露监测系统 大学电电动执行机构 气相色谱分析仪 玻璃液位表 物性分析仪 液位计校准仪 正位移液体流量计 自动取得系统 液体密度计	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TWPE, ANY RANGE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PO METER, TRUCK LOADING, COROLD KMETER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP, TRUCK LOADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAK; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSS THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY ED CONN, ANY SUPPLY, ANY, SAES-J-605, SURGE, PILOT OPERATED TYPE, FACTORY TESTING IS REQUIRED OR COMPLEX RATE-OR-RISE OR MODILATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; GAS CHROMATOGRAPH TYPE, ANY ACTION, 34-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED. ANALYZER; FINSICAL PROPERTY TYPE, ANY ACTION, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; PHYSICAL RROPERTY TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; PHYSICAL RROPERTY TYPE, ANY RANGE, 34-SAMSS-510, CULRIC ACTUATOR FOR OPERATING VALVE, FILONATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, CILING VALVE	11762 11773 11782 11782 11800 11809 11818 11828 11838 11848 11858 11868 11868 11878 11868 11878 11888 11898 11908 11918 11927 11936 11952 12014 12054 12076
Instrumentation and IT Instrumentation and IT	6000001582 6000002782 6000014614 6000008342 6000009917 6000002822 6000009918 600000287 600000286 6000012803 60000012803 60000012803 6000001281 6000001281 6000001281 6000002886 60000014021 6000002886 6000009881 6000009881 6000009881 6000009881 6000009881 6000009881 6000009881	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS CYLINDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY PROVER, SMALL VOLUME, UNI PISTON CUSTODY METER, POS DISPL, LIQUID CUSTODY AUTOMATIC SAMPLING, LIQUID CUSTODY DENSITY METER, LIQUID CUSTODY OENSITY METER, LIQUID CUSTODY CHROMATOGRAPH, GAS OR LIQUID	庄缩机控制器 可燃气体探测器 雪法液位 储罐计量系统 远程终端单元 卸车计量系统 靠达液位 储罐计量 卸车计量系统 雪达液位 储罐计量 卸车计量系统 雪达液位 储罐计量 卸车计量系统 开路式可燃气体探测器 气体探测器 气体探测器 气体探测器 气体振测器 气体振测器 汽车装车系统预置控制器 光纤管道泄露监测系统 先导式水击泄压阀 卡车装车系统预置控制器 光纤电缆 大致安全型 电动执行机构 气相色谱分析仪 玻璃液位表 物性分析仪 琥液体流量计 自动取样系统 液在透计 气液色谱	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-S14 GAUGE TANK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TANK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, POS DISP, TRUCK LOADING, PO METER, TRUCK LOADING, COROLJS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM: METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP, TRUCK LOADING, PO METER, TRUCK LOADING, COROLJS METER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM: METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LIVEL, RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2:003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END CONN, ANY SUPELY, ANY, SASS-346, SORGE, PILOT OPERATED TYPE , FACTORY TESTING IS REQUIDED FOR COMPLEX RATE-OR-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-510, PROCESS GAS OR LIQUID UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-510, PROCESS GAS OR LIQUID ANALYZER; PHYSICAL ROPERTY TYPE, ANY RANGE, 24-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMS-5010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLI' REQUIRED. ANALYZER; PHYSICAL ROPERTY TYPE, ANY RANGE, 24-SAMSS-510, PROCESS GAS OR LIQUID SAMPLER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER LIQUID TYPE, ANY 34-SAMSS-	11762 11773 11782 11782 11800 11809 1818 11828 11838 11848 11858 11868 11878 11868 11878 11868 11878 11888 11898 11908 11918 11927 11936 11952 12014 12054 12076 12086
Instrumentation and IT Instrumentation and IT	6000001582 600002782 6000014614 6000008342 6000009917 6000002822 6000002787 6000002787 6000002787 6000002784 6000014893 6000014893 6000012803 60000012803 60000012803 6000001286 6000001286 6000001286 6000002886 6000002886 6000002886 6000009893 6000009893 6000009893 6000009893 6000009893	CONTROLLER; ELECTRONIC;COMPRESSOR MONITOR; GAS; COMBUSTIBLE CUSTODY TANK GAUGING SYSTEM, RADAR UNIT: REMOTE TERMINAL TYPE CUSTODY SYSTEM, TRUCK LOADING, POS DISP GAUGE; RADAR; TANK GAUGING; CUSTODY SYS TRUCK UNLOADING, POS DISP MONITOR; GAS; COMBUSTIBLE; OPEN PATH TYP CALIBRATION GAS; CUNIDER FOR GAS MONITOR INSTRUMENT; LEVEL; RADIATION TYPE FIBER OPTIC SENSING PLDS VALVE, RELIEF; SURGE PILOT OPERATED CUSTODY PRESET CONTROLLER, TRUCK LOADING CABLE; COMMUNICATIONS; FIBER OPTIC ACTUATOR: VALVE; ELECTRIC FAILSAFE ANALYZER; GAS CHROMATOGRAPH; Sheltered GAUGE; LEVEL; GLASS Analyzer; Physical Property CUSTODY PROVER, SMALL VOLUME, UNI PISTON CUSTODY METER, POS DISPL , LIQUID CUSTODY METER, POS DISPL , LIQUID CUSTODY CHROMATOGRAPH; GAS OR LIQUID CUSTODY CHROMATOGRAPH; GAS OR LIQUID CUSTODY CHROMATOGRAPH; GAS OR LIQUID CUSTODY CHROMATOGRAPH; GAS OR LIQUID ANALYZER, ProC Photometer/Spectrometer	庄塘机控制器 可燃气体探测器 百燃气体探测器 當达液位储罐计量系统 卸车计量系统 雷达液位储罐计量系统 丁路式可燃气体探测器 「有些计量系统 野车计量系统 雷达液位储罐计量 卸车计量系统 青年计量系统 青年计量系统 开路式可燃气体探测器 气体探测器 校验气缸 雷达液位计 光纤管道泄露监测系统 先考式水击泄压阀 卡车装车系统预置控制器 光纤电缆 失效安全型 电动执行机构 气相色谱分析仪 玻璃液位表 物性分析仪 浓俭状虚议 正位添成体流量计 季遭通路声波流量计 自动取样系统 浅校 光谱仪	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE, ANY RANGE, SPECIALIZED CONTROL SYSTEMS MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514 GAUGE TARK LEVEL; RADAR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TARK GAUGING SYSTEMS FOR CUSTODY TRANSFER TYPE, ANY RANGE, 34-SAMSS-321, SAES-Y-301, RADAR TARK GAUGING SYSTEMS FOR CUSTODY TRANSFER METERING TYPE, 34-SAMSS-167, TRUCK LOADING, PO SIESP, TRUCK LOADING, PD METER, TRUCK LOADING, COROLD KMETER GAUGE; RADAR TYPE, ANY RANGE, 34-SAMSS-319, TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY. SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP, SYSTEM-METERING; CUSTODY TRANSFER METERING TYPE, 34-SAMSS-168, TRUCK UNLOADING, POS DISP MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-310, OPEN PATH TYPE CYLINDER; CALIBRATION GAS TYPE, SIZE ANY, ANY, FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY INSTRUMENT; LEVEL TYPE, LEVEL, RADIATION TYPE DETECTOR LEAX; FIBER OPTIC TYPE, FOR PIPELINE, SAES-2-003, THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OP THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS. VALVE RELIEF; SIZE ANY, ANY END COMIN, ANY SUPPLY, ANY, SAES-3-60, SURGE, PILOT DEFRATED TYPE, FACTORY TESTING IS REQUIRED FOR COMPLEX RATE-OF-RISE OR MODULATING VALVES. COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-847, FOR TRUCK LOADING AND UNLOADING SYSTEMS CABLE COMMUNICATIONS; ANY CONDUCTO, FIBER OPTIC TYPE, 18-SAMSS-625 ACTUATOR VALVE, FALLSEL EDESIGN ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID GAUGE LEVEL; GLASS TYPE, 34-SAMSS-010, WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF RCQUIRED. ANALYZER; HYSICAL PROPERTY TYPE, ANY RANGE, 45-SAMSS-510, PROCESS GAS OR LIQUID CARALYZER, FUSICAL PROPERTY TYPE, ANY RANGE, 45-SAMSS-510, PROCESS GAS OR LIQUID SAMPLER; CUSTODY TRANSFER LIQUID TYPE, CUSTODY TRANSFER POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSIT	11762 11773 11782 11782 11800 11809 11809 11809 11808 11828 11838 11848 11858 11868 11878 11888 11908 11918 11927 11936 11952 12014 12026 12086 12280

		1	1	MONITOR; IGNITERS AND BURNERS USED E MONITORING SYSTEM D IN FIRED EQUIPMENT. TYPE, ANY	
Instrumentation and IT Instrumentation and IT	600002732 600002856	MONITOR; FLAME MONITORING SYSTEM VALVE; AUTOMATIC RECIRCULATION;	火焰监测系统 自控流量阀	MONITOR; IGNITERS AND BURNERS USED E MONITORING SYSTEM D IN FIRED EQUIPMENT. TYPE,ANY RANGE,34-SAMSS-617 VALVE; AUTOMATIC RECIRCULATION TYPE,SIZE ANY,34-SAMSS-711	12321 12330
Instrumentation and IT	6000002856 6000010782	VALVE; AUTOMATIC RECIRCULATION; CONTROLLER; SMART VALVE POSITION TYPE	自控流軍阀 智能型定位器	CONTROLLER; SMART VALVE POSITION TYPE, ANY RANGE, 34-SAMSS-634, FOR USE WITH EMERGENCY	12330
Instrumentation and IT	6000009901	CUSTODY FLOW COMPUTER, LIQUID, FIELD-MNT	现场安装型 流量计算机	SHUTDOWN VALVES. COMPUTER FLOW; FIELD MOUNTED TYPE,34-SAMSS-841,34-SAMSS-846,FOR LIQUID AND GAS	12349
	6000002896	VALVE; RELIEF; SURGE GAS LOADED	气体式水击泄压阀	CUSTODY TRANSFER VALVE RELIEF; SIZE ANY,ANY END CONN,ANY SUPPLY,ANY,SAES-J-605,SURGE GAS LOADED TYPE.	12359
Instrumentation and IT				MULTIPLEXER; FOUNDATION FIELDBUS (FF) TYPE, SAES-J-904, AA MULTI-INPUT TEMPERATURE	
Instrumentation and IT	6000013000	Multiplexer; Foundation Fieldbus (FF)	现场总线多路连接器	BLOCK; FOUNDATION FIELDBUS(FF) WIRING TYPE, INCLUDING POWER SUPPPLIES, FOR USE WITH	12369
Instrumentation and IT	6000010781	FOUNDATION FIELDBUS (FF) BLOCKS	现场总线模块	FOUNDATION FIELD-BUS INSTRUMENTS ONLY	12379
Instrumentation and IT Instrumentation and IT	6000002720 600000221	ANALYZER; DENSITY METER; GAS AND LIQUID TUBING; INSTRUMENTATION; METALLIC	气液密度计分析仪 仪表管	ANALYZER; DENSITY METER TYPE,ANY RANGE,34-SAMSS-510,GAS AND LIQUID SERVICE TUBING; INSTRUMENTATION TYPE,STAINLESS STEEL OR NICKEL ALLOYS,ASTM A269,WITH SIZE 3/4	12389 12399
Instrumentation and IT	6000009899	CUSTODY FLOW COMPUTER, LIQUID, PANEL-MNT	国 板安装型 流量计算机	INCH (18 MM) OR SMALLER. COMPUTER FLOW; PANEL MOUNTED TYPE,34-SAMSS-841,FOR LIQUID CUSTODY TRANSFER	12355
Instrumentation and IT	600009831	CUSTODY METER, TURBINE, LIQUID	液体涡轮流量计	FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE, ANY, 34-SAMSS-117 COIL; COIL, REFRIGERATION, HOT/CHILLED WATER APPLICATIONS TYPE, AHRI 410 CERTIFIED	12419
Others	600001829	COIL; REFRIGERATION; HVAC USE	盘管;制冷;暖通空调用		10883
Others	6000001846	HEATER; DUCT; ELECTRIC;	加热器;风管;电加热;	HEATER DUCT; ELECTRIC ELEMENT,ANY AIR CONDITIONING UNIT; DIRECT EXPANSION TYPE,27-SAMSS-002,UL-1995 AHRI-210/240 (< 5.5	10901
Others	600001882	AIR CONDITIONING UNIT; DIRECT EXPANSION;	空调机组;直接膨胀式	TON),AH,HVAC/REFRIGERATION:SYSTEMS FOR PROCESS AND OFFSHORE APPLICATIONS	10928
Others	6000013330	FILTER, AIR, CHEMICAL	过滤器, 空气, 化学	FILTER; ANY TYPE,FOR AIR, CHEMICAL,ISA S71.04,ASTM-D6646 OR ASHRA	10945
Others	600002419	Water Filter Media	滤水介质	FILTER; SAND BED TYPE,FOR WATER SERVICE, FILTER MEDIA,WATER,32-SAMSS-034,WATER FILTER MEDIA INCLUDING: SAND, ANTHRACITE, MANGANESE GREEN SAND, BERM, GARNET, GRAVEL (AS	10954
others	000002415		2011(220)	SUPPORTING LAYER). MERGE WITH 6000001776, 6000001777, 6000002510	10004
Others	600008724	PRELIMINARY TREATMENT/SW SCREENING SYS	初步处理/海水格栅系统	SCREEN; PRELIMINARY TREATMENT/SEAWA TER SCREENING SYSTEMS TYPE, WASTEWATER UNIT; OIL SKIMMER TYPE, OIL/WATER-OIL SKIMMERS: A DRUM, DISK SURFACE OIL SKIMMER, OR	10971
Others	6000012705	Oil Skimmer	收油器	DUBLE ANNAULTY TO CONTACT THE CONTACT AND A	10979
Others	6000008555	Thermal & Electro-dialysis Desal Sys	热电渗析脱盐系统	DESALINATION; THERMAL & ELECTRO-DIALYSIS DESALINATION SYSTEMS TYPE, REVERSAL (EDR) EQUIPMENT	10988
		HYDRANT FIRE; 5 IN INTEGRATED NOZZLE X 2-1/2 IN NPT (2 EA)		HYDRANT FIRE; 6 IN INLET, PR 200 PSI WP, UL OR/AND FM, COMPLYING WITH 21-SAMSS-15. WITH OR	
Others	600001310	HYDRANT FIRE; 5 IN INTEGRATED NOZZLE X 2-1/2 IN NPT (2 EA) MAIN	消防栓; 5英寸集成喷嘴	WITHOUT FIRE MONITOR FLANGE. WITH OR WITHOUT BREAKABLE FLANGE CHECK VALVE ASSEMBLY FOR BREAKABLE FLANGE VALVE SEPARATELY. PURCHASE ORDER MUST SPECIFY THE OPTIONS AS PER 21-SAMSS-15.	11125
Others	600001314	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED TYPE,UL/FM	消防炮; 消防,消防栓上固定型,UL / FM 认证	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED TYPE, ANY RANGE, MEETING 21-SAMSS- 16, INDUSTRIAL MONITOR SYSTEM, WILL BE INSTALLED ON#9COM 6000001310	11132
Others	6000001331	BARRIER; FIRE STOPPING; MULTI-CABLE	消火障	BARRIER; FIRE STOPPING TYPE, BARRIERS, MULTI-CABLE TRANSIT SYSTEM INCLUDING PUTTY, MORTAR, PILLOWS, CAULKING, SEALANTS, TAPE, SPRAYS OR OTHER SYSTEMS. MUST COMPLY WITH ANSI/UL 1479, ASTM E 814, NFPA/NEC 70, ASTM E 119 AND HAVE MINIMUM F RATING OF 2 HOURS, T RATING OF LOUR, AND MINIMUM L RATING OF LESS THAN 1 HOUR. MUST BE UL/FM LISTED OR APPROVED.	11139
Others	6000014422	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE, ELECTRICALLY OPERATED	监视器;消防,遥控型,电控	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE, ANY RANGE, ELECT OR HYDRAULIC OPERATED SUPPLY, MEETING 21-SAMSS-16, FULL SYSTEM FULL CONTROL INDUSTRIAL APPLICATIONS MEETING PROJECT SPECS	11147
Others	600002872	VALVE; DIFFERENTIAL DIAPHRAGM TYPE, DELUGE FLOOD	阀门; 差分横隔膜类型	VALVE; DIFFERENTIAL DIAPHRAGM TYPE,SIZE ANY,DELUGE FLOOD PANEL CONTROL; FIRE PUMP TYPE,UL/FM LISTED/APPROVED,COMPLY W,TYPE,UL-LISTED OR FM	11155
Others	6000002696	PANEL CONTROL; FIRE PUMP TYPE,UL/FM LISTED/APPROVED,COMPLY	控制面板; 消防泵用,UL / FM 认证	APPROVED, PANELS SHALL BE LISTED FOR +50 DEG. CELSIUS, ENCLOSURE MUST BE NEMA 250/NEMA TYPE 4 FOR ONSHORE AND NEMA TYPE 4X FOR OFFSHORE AND NEAR SHORE ENVIRONMENT OUTDOOR WITH SHELTER INSTALLATION, INDOOR WITH AIR-CONDITIONED INSTALLATIONS ARE ALLOWED TO BE ONLY UL/FM APPROVED WITHOUT 50 DEGREES/NEMA 4/4X ENCLOSURE, ALL PANELS MUST BE CAPABLE OF PROVIDING THE PUMPS SEQUENCING FUNCTIONS IN SAES-B-017, CONTACT FROM SAF FOR DETAILS	11163
Pipe & OCTG	600000409	Hose; High pressure 500 psig and greater	高压软管; 500PSI及以上 SAE100R	HOSE; SIZE ANY,FOR GENERAL PURPOSES,PR HIGH PRESSURE 500 PSIG AND GREATER, REINFORCED NATURAL OR SYNTHETIC RUBBER,SAE 100R,FOR GENERAL PURPOSES SUCH AS OIL AND WATER-BASED FLUIDS, PNEUMATIC APPLICATIONS, LOW PRESSURE HYDRAULIC, LUBRICATING FLUIDS, WATER#.ETC.	11192
Pipe & OCTG	6000013160	PIPE&FITTINGSNON-METAL;RTR	玻璃钢(RTR)非金属管&管件	PIPE NON-METALLIC; MAXIMUM 14 IN NPS,REINFORCED THERMOSETTING RESIN,REINFORCED THERMOSETTING RESIN (RTR),FOR WATER (NON-UTILITY) AND HYDROCARBON APPLICATIONS MAX TEMP 200 F.01-SAMSS-042,API 15HR API 15LR	11176
Pipe & OCTG	6000013900	PIPE; NON-METAL; LINED PIPING SYSTEMS	村鬼管道	IVE 2010/01/2011/2011/2011/2011/2011/2011/2	11187
				SERVICE; WET-TYPE THERMOSET COMPOSITE FIBER REINFORCED OMPOSITE. TYPE,SAEP-345,ASME-PCC2 ISO 24817,USE FOR WATER, HYDROCARBON,	
Pipe & OCTG	6000014681	SERVICE: WET -TYPE COMPOSITE REPAIR EXT.	外腐蚀管道复合修复服务;湿式	CHEMICALS PLANT PIPING AND PIPELINES. SUITABLE FOR EXTERNAL CORROSION UP TO 80 PERCENT METAL LOSS. FOR PLANT PIPING AND HTTINGS, IT SHALL BE UTILIZED AS A TEMPORARY REPAIR WITH A PRIOR APPROVAL FROM NONMETALLIC SCC.	11182
Pipe & OCTG	6000015710	SERVICE: WET-TYPE; COMPOSITE REPAIR, INT	内腐蚀管道复合修复服务;湿式	SERVICE; WET-TYPE THERMOSET COMPOSITE FIBER REINFORCED TYPE,SAEP-345,ASME-PCC2 ISO 24817,USE FOR WATER, HYDROCARBON, CHEMICALS PLANT PIPING AND PIPELINES. SUITABLE FOR INTERNAL CORROSION UP TO 80 PERCENT METAL LOSS PROVIDED THAT CORROSION SOURCE IS MITIGATED. FOR PLANT PIPING AND FITTINGS, IT SHALL BE	11199
Rotating Equipment	6000017500	UNIT, METALLIC 3DPRINTING/ADDITIVE MANUF	金属3D打印/增材制造单元	UNIT; METALLIC 3DPRINTING/ADDITIVE MANUFACTURING INCLUDING ALL TYPE OF STEEL (E.G. INCONEL, TITANIUM, STAINLESS STEEL) TYPE,ANY METALLIC 3D PRINTED PRODUCT INCLUDING NEW PARTS MANUFACTURING, PART MODIFICATION AND REPAIR. METALLIC PART SUCH AS ROTATING	11208
Rotating Equipment	6000002244	COMPRESSOR; AIR; CENTRIFUGAL; INTEGRALLY	压缩机; 空气用; 离心式; 整体式	EQUIPMENT, STATIC EQUIPMENT AND DRILL EQUIPMENT COMPRESSOR AIR; CENTRIFUGAL, INTEGRALLY GEARED TYPE,31-SAMSS-006	11215
Rotating Equipment Rotating Equipment	600002351 600002363	PUMP; CENT, INLINE, ASMEB73.2 OR ISO5199 PUMP; ROTARY; PROGRESSIVE CAVITY;	泵: 管线离心式,符合ASMEB73.2或ISO5199 回转泵; 渐进空腔式;	PUMP CENTRIFUGAL; INLINE TYPE,SIZE ANY,ANY,SINGLE STAGE(S),VERTICAL MTG,ASME B73.2 OR ISO 5199 PUMP ROTARY; PROGRESSIVE CAVITY TYPE,ANY,API 676	11221 11230
Rotating Equipment	600002365	PUMP; VACUUM; API 681, HIGH POWER	真空泵; 符合API 681,高功率	PUMP; VACUUM TYPE,ANY,API 681,HIGH POWER, LIQUID RING VACUUM PUMPS OR COMPRESSORS	11238
Rotating Equipment	600002371	PUMP; CENTRIFUGAL;VERTICAL;MOLTON SULFUR	泵; 离心式;立式;硫磺熔融输送	PUMP CENTRIFUGAL; VERTICAL TYPE,SIZE ANY,ANY,SINGLE STAGE(S),MFR STD DESIGN +SAES-G- 005,MOLTEN SULFUR, SUMP	11246
Rotating Equipment	600002417	FILTER; ELEMENT; COMBUSTION GAS TURBINE;	过滤器:过滤原件;燃气轮机用	FILTER ELEMENT; FOR COMBUSTION GAS TURBINE, 32-SAMSS-008, AIR INLET, FINAL STAGE	11256
Rotating Equipment Rotating Equipment	6000002453 6000008842	Mixer; Side Entry; 32-Samss-017; Geared; PUMP, CENTRIFUGAL, HORIZONTAL, MOLTEN SU	混合器; 侧入式; 齿轮传动 泵, 离心式, 卧式, 硫磺熔融输送	MIXER; SIDE ENTRY TYPE,32-SAMSS-017,GEARED, ELECTRIC DRIVEN PUMP CENTRIFUGAL; HORIZONTAL TYPE,SIZE ANY,ANY,SINGLE STAGE(S),MFR STD DESIGN +SAES-G-	11263 11271
Rotating Equipment	6000010363	PUMP; CENTRIFUGAL, HORIZONTAL, MOLTEN SU PUMP; MULTIPHASE, HELICO-AXIAL TYPE,ANY,31-SAMSS-004	汞,崗心式,配式,硫碘溶癥制达 泵;多相,螺旋轴流式	005,MOLTEN SULFHUR PUMP; MULTIPHASE, HELICO-AXIAL TYPE,ANY,31-SAMSS-004	11271
Rotating Equipment	6000016780	EJECTOR; PROCESS GAS	成射器; 工艺气体	Elector; GAS OR LIQUID, ANY PROCESS, ANY, NACE MR-0175/ISO-15156, EJECTOR PACKAGE FOR PROCESS GAS COMPRESSION. NOT FOR STEAM-VACUUM SERVICES.	11289
Static Equipment	6000001821	AIR HANDLING UNIT; AHU; CHILLED WATER OR	空气处理机组;冷水机组或	AIR HANDLING UNIT; AHU TYPE, CHILLED WATER OR DIRECT EXPANSION, ONSHORE ALL SIZES AND	10846
				OFFSHORE LESS THAN 10 TONS COOLING, MANUFACTURER STANDARD	100.0

Statia Equipment	600001833		· 六洄和4. 劝 六书	AIR CONDITIONING UNIT; SELF CONTAINED TYPE, (PACKAGED UNIT) CERTIFIED TO AHRI 340 AND UL	10055
Static Equipment	6000001822	AIR CONDITIONING UNIT; SELF CONTAINED; O	空调机组;独立式	1995 STD AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE,AIR COOLED,R-22 OR R-	10855
Static Equipment	600001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	空调机组;集装式	AIR CONDITIONING UNIT; AIR CONDITIONING UNIT SPLIT TYPE, LESS THAN 5.5 TON COOLING	10864
Static Equipment	6000001826	A/C Unit,mini-split,DE below 5.5 Tons	空调单元; 小型分体式,直膨,低于5.5吨	TONNAGE, DIRECT EXPANSION TYPE, AHRI 210/240, UL-1995	10872
Static Equipment	600001862	A/C UNIT;SPLIT;DIRECT EXP,5.5 TO 63 TONS	空调单元; 分体式;直膨,5.5至63吨	AIR CONDITIONING UNIT, AIR CONDITIONING UNIT SPLIT UNIT DIRECT EXPANSION TYPE,SIZES 5.5 TO 63 COOLING TONNAGE COOLING,AHRI 340/360,UL1995,EER VALUE SHALL BE IN ACCORDANCE WITH THE EER TABLE IN SAES-K-001.	10910
Static Equipment	6000001881	AIR CONDITIONING UNIT; AIRCONDIONING AND	空调机组	AIR CONDITIONING UNIT; AIRCONDIONING AND PROCESS REFRIGERATION SYSTEMS TYPE,ONSHORE ALL SIZES, OFFSHORE LESS THAN 10 TONS. COOLING,AHRI-210/240 (< 5.5 TONS),AHRI,EXPLOSION PROOF	10919
Static Equipment	600002404	TOWER; COOLING; WATER;	水冷却塔;	TOWER COOLING; WATER TYPE,27-SAMSS-003,ASHRAE 90.1 GENERATOR; WATER DISINFECTION TYPE,HYPOCHLORITE,WATER DISINFECTION SYSTEMS	10936
Static Equipment	6000002515	SKID WATER DISINFECTION SYSTEMS	水消毒系统撬	INCLUDING: HYPOCHLORINATION, CHLORINE SYSTEMS, CHLORINE DOWICE THOR STSTEMS SYSTEMS, 020NE SYSTEMS, ANY OTHER DISINFECTING SYSTEMS. MERGE WITH 6000002517.	10962
Static Equipment	600002515	SKID WATER DISINFECTION SYSTEMS	水消毒系统撬	GENERATOR; WATER DISINFECTION TYPE, HYPOCHLORITE, WATER DISINFECTION SYSTEMS INCLIDING: HYPOCHLORINATION, CHLORINE SYSTEMS, CHLORINE DIOXIDE, BROMINE SYSTEMS, UV SYSTEMS, OZONE SYSTEMS, ANY OTHER DISINFECTING SYSTEMS. MERGE WITH 6000002517.	10963
Static Equipment	600000066	TUBING; COPPER-ALLOY; EEMUA; ASTM	管道; 铜合金; 符合EEMUA,ASTM标准	TUBING; ANY TYPE,COPPER-ALLOY, INCLUDING COPPER NICKEL (90-10, 70-30, C70600, OR C71500),EEMUA144,ASTMB466 ASTMB111	11297
Static Equipment	600000181	FLANGE; PIPE; COPPER NICKEL, EEMUA 145	法兰 管道用; 铜镍合金,符合EEMUA 145	FLANGE PIPE; ALL DESIGNS TYPE,ANY NPS,ANY,EEMUA 234,COPPER-ALLOY FLANGES AND CS BACKING (LAP JOINT) FLANGES PER EEMUA 234. OR OTHER COPPER ALLOYS AS DER ASME 16.5, PIPE FLANGES AND FLANGED FITTINGS, UTILITY, NON-HYDROCARBON.	11311
Static Equipment	600000245	VALVE; BALL; TOP ENTRY, RISING STEM	球阀;顶装式,加长阀杆	VALVE, BALL; SIZE ALL, ALL SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,STYLE TOP ENTRY, RISING STEM-,,SINGLE, METAL SEATED SEAT,04-SAMSS-035,04-SAMSS-048 SAMSS-051,API- 60,WITH OR WITHOUT ACTUATOR	11318
Static Equipment	600000254	VALVE; BALL; SCRAPER LAUNCHING; STEEL	球阀 ; 清管器阀	VALVE, BALL; SIZE ANY,ANSI CL 150 AND UP SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,STYLE SCRAPER LAUNCHING,SOFT SEATED SEAT,04-SAMSS-051,04-SAMSS-035 04-SAMSS- 048,WITH OR WITHOUT ACTUATOR	11326
Static Equipment	600000275	VALVE; CHECK;SWING;UP TO 12 IN; CI OR DI	旋启式止回阀;铸铁 最大12英寸	VALVE CHECK; SIZE UP TO 12 INCH,CAST OR DUCTILE IRON BODY,SWING,FLANGED, LUG OR WAFER END CONN,04-SAMSS-035,04-SAMSS-048 04-SAMSS-005	11335
Static Equipment	600000292	VALVE; GATE; UP TO 12 INCH; NON-FERROUS;	闸阀;青铜,铜铝合金,最大12英寸	VALVE GATE, SIZE UP TO NP5 12, ANV RATING, ALLENDS SUPPLY, NON-FERROUS, (BRONZE/ALLMINUM- BRONZE BODY, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-001, WITH OR WITHOUT ACTUATOR	11340
Static Equipment	600000296	VALVE; GATE; WEDGE OR DBL DISC; UP TO 12	闸阀;铸铁最大12英寸	VALVE GATE; SIZE UP TO NPS 12,ANY RATING, ALLENDS SUPPLY,CAST OR DUCTILE IRON BODY,04- SAMSS-035,AWWA,WITH OR WITHOUT ACTUATOR	11344
Static Equipment	600000297	VALVE GATE; SIZE NPS 14 AND ABOVE	闸阀; 铸铁 NPS 14英寸及以上	VALVE GATE; SIZE NPS 14 AND ABOVE, ANY RATING, ALLENDS SUPPLY, CAST OR DUCTILE IRON	11349
Static Equipment	600000315	VALVE; CHOKE; AUTOMATIC PLUG-AND-CAGE; H	节流阀	BODY,04-SAMS5-035,AWWA,WITH OR WITHOUT ACTUATOR VALVE CHOKE; PLUG-AND-CAGE SINGLE STAGE TRIM TYPE,UPTO 6 INCH MAXIMUM ORIFICE BODY,PR 10,000 PSI,FLANGED HUBBED OR BUTTWELD END CONN,STEEL BODY,04-SAMS5-055,API 6A,WITH OR WITHOUT ACTUATOR	11354
Static Equipment	600000317	VALVE; PLUG; 4-WAY DIVERTER; 2 THRU 24	旋塞阀; 插头; 4路分流; 2至24英寸	VALVE PLUG; 4-WAY DIVERTER TYPE,SIZE NPS 2 THRU 24,ASME CLASS 150 THRU 600 SUPPLY,FLANGED OR BUTTWELD END CONN,STEEL BODY,04-SAMSS-042,04-SAMSS-035 04-SAMSS- 048,WITH OR WITHOUT ACTUATOR	11360
Static Equipment		BOILER; FIRE TUBE; AND COMONENTS	锅炉; 直火; 和组件	BOILER; FIRE TUBE AND COMPONENTS TYPE, 32-SAMSS-021	11368
Static Equipment Static Equipment		BURNER; SAES-F-01; TANK; FIBER GLASS; 32-SAMSS-002	燃烧器 玻璃钢储罐	BURNER; ANY TYPE,SAES-F-01 TANK; ANY TYPE,ANY,FIBER GLASS,32-SAMSS-002	11373 11385
Static Equipment	600002508	FLARE; PROCESSED PLANT; INCLUDING TEMPER	火炬; 工艺类	013,34-SAMSS-830.34-SAMSS-711,INCLUDING TEMPERATURE CONTROLS,IGNITERS AND STACK AND BURNPIT WITH ACCESSORIES, FOR FORS INCLUDES: COMPRESSORS- PRESSURE VESSELS(WATER SEAL DRUMS) OR CONTROL VALVES WITH BUCKING PIN VALVES, BLOWERS AND AIR COOLED HEAT EXCHANGERS. FOR IN-HOUSE HPAAS (HIGH PRESSURE AIR ASSIST SYSTEM) FLARE SMOKELESS APPLICATION INCLUDE: HPAAS FLARE TIP, COMPRESSORS, PRESSURE VESSELS(AIR DRYER AND RECEIVER DRUM), CONTROL VALVES AND HEAT EXCHANGERS.	11390
Static Equipment	6000002748	IGNITER	点火器	IGNITER; FLARE TYPE,FLARE	11395
Static Equipment	600009264	JOINT, METAL TO METAL SEAL	接头,金属对金属密封	COUPLING PIPE; METAL TO METAL (POSITIVE OR NEGATIVE) SEAL MECHANICAL TERMINAL, IN NPS,OY STEEL,MM (IN), PJ SUPPLY, M, GED MLESS UGHT,E URAL FINISH,ASME,ASME,ASME,(IN) (IN),ITIVE OR NEGATIVE ITIVE OR NEGATIVE JOINT; METAL TO METAL SEAL MECHANICAL TYPE,CS/ SS/ALLOY STEEL,(IN) (IN),ITIVE OR NEGATIVE ITIVE OR NEGATIVE	11403
Static Equipment	6000009414	VALVE, SANDWICH, 2 IN. AND UP, ASME CLAS	三明治阀,2英寸以上,ASME级别	VALVE; GATE, SANDWICH TYPE,SIZE NPS 2 AND UP, STEEL,ASME CLASS 150 AND UP SUPPLY,FLANGE END CONN,04-SAMSS-035,04-SAMSS-048	11409
Static Equipment	6000009454	VALVE,CHECK,14 IN &UP,CAST OR DUCTILE IR	止回阀,铸铁 14英寸及以上	VALVE CHECK; SIZE 14 IN. AND UP, ANY SUPPLY, CAST OR DUCTILE IRON BODY, SWING, FLANGED, LUG OR WAFER END CONN, 04-SAMSS-035, 04-SAMSS-048	11415
Static Equipment	6000011206	SKID; FILTRATION SYSTEM	过滤系统撬	SKID; 32-SAMSS-038 (IF SKID), DESIGN, ASSEMBLY AND DESIGN OF FILTRATION SYSTEM	11421
Static Equipment	-	SKID: THERMAL OXIDIZER	热氧化器撬	(HYDROCARBON SERVICE) OIL /GAS/WATER STREAM FURNACE; BUSTION CHAMBER FABRICATORS RMAL OXIDIZER EQUIPMENT TYPE,INCLUDING BURNER	11427
Static Equipment		VALVE; GATE, GLOBE&CHECK, CRYOGENIC	阀门; 闸、截至、止回,深冷用	VALVE GATE: GLOBE&CHECK, CRVOGENIC TYPE-SIZE ANY SIZE ANY RATING SUPPLY ANY BODY 04- SAMSS-035,04-SAMSS-048 04-SAMSS-001,04-SAMSS-002 04-SAMSS-005,AS APPLICABLE FOR THE	11427
				VALVE TYPE, INCLUDING THE ADDITIONAL REQUIREMENTS IN THE CRYOGENIC APPENDICES.	
Static Equipment		TUBE: CATALYST, ASSEMBLIES	炉管:催化,组装式	TUBE; CATALYST ASSEMBLIES TYPE,CENTRIFUGAL CAST. HYDROCARBON VALVE, BALL; SIZE UP TO 24 IN,ANSI CL 150 AND UP SUPPLY,FLANGED OR BUTTWELD END CONN,ANY	11442
Static Equipment	6000013742	VALVE; BALL; DOUBLE ISOLATION TWIN	球阀; 双球	BODY,STVLE SPLT BODY,TRUNNION SUPPORTED SUPPORT,O4-SAMSS-048,04-SAMSS-035.04-SAMSS- 051,DOUBLE ISOLATION TWIN BALL WITH OR WITHOUT ACTUATOR FITTING: PIPE; EEMUA 234,CUNI PIPE FITTINGS, ALL TYPES, INCLUDING ELBOWS, TEES, REDUCERS,	11449
Static Equipment	6000014202	FITTING; PIPE; CUNI;ALL TYPES;EEMUA 146	管件; 铜镍合金 符合EEMUA 146	CAPS, COUPLING, BRANCH CONNECTION, BW OR SW OR THREADED AS PER EEMUA 234. NON- HYDRCARBON UTILITY. VALVE, BUTTERFLY, BALL OR CHECK TYPE,SIZE NPS 2 THRU 20,ASME CLASS 150 & 300	11455
Static Equipment	6000014491	VALVE; NPS 2 TO 20, COMPOSITE MATERIAL	阀门; NPS 2至20英寸,复合材料	SUPPLY,FLANGED END CONN,COMPOSITE (NON-METALLIC) BODY COUPLER; LPG LOADING TYPE,SIZE ALL SIZES,HARD PIPE TERMINAL,INCLUDE VAPOR AND	11463
Static Equipment	6000014971	COUPLER:LPG LOADING,INCLUDE VAPOR	联接器: LPG加载用	BREAKAWAY COUPLERS,CONTACT CSD FOR DETAILS VALVE CHECK; SIZE 1-13/16 IN AND UP,API 10000 SUPPLY,STEEL BODY,SWING,FALNGED HUBBED OR	11471
Static Equipment	6000015021	VALVE: CHECK; API 6A 10,000; SWING	止回阀; 符合API 6A 10,000磅级	BUTT-WELD END CONN,04-SAMSS-055,API 6A	11478
Static Equipment	6000015600	VAPOR RECOVERY UNIT (VRU)	蒸气回收装置(VRU)	UNIT; VAPOR RECOVERY UNIT TYPE,32:SAMS5-004,32:SAMS5-019 API-672,API-681 ASME 873.1 OR ISO 2858,ISO SASE-G-05,SAES-K-101 ASHRAE 90.1 ERR/VAPOR RECOVERY UNITS (VRU) IS A PROCESS UNIT/MODULE THAT RECOVERS VOLATILE ORGANIC COMPOUNDS, VOCS, OR VENT GASES SUCH AS METHANE, ETHANE, PROPANE AND CARBON DIOXIDE TO AVOID VENTING TO ATMOSPHERE OR FLARE. IT IS USE TO RECOVER VAPORS THAT RESULT FROM LODNIG OF PETROLEUM AND PETROCHEMICAL PRODUCTS AND TRANSFER OF EVAPORATIVE HYDROCARBONS SUCH AS GASOLINE, NAPHTHA, AROMATICS, FUEL AND ALCOHOL	11486
Static Equipment	6000015604	VALVE;CHOKE;MS;UP TO 6 IN,2K-5KPSI,API6A	节流阀; 最大6英寸,2000-5000磅级,符合API6A	VALVE CHOKE; ANY BODY, UP TO 6 INCH MAX ORIFICE, PR 2000-5000 PSI SUPPLY, FLANGED HUBBED OR	11492
				BUTTWELD END CONN, ANY BODY, MULTISTAGE TRIM, 04-SAMSS-055, API 6A SKID; VALVE/SPOOL TYPE, SAES-A-010,01-SAMSS-010 04-SAMSS-01/02/048, SAES-W-0 ANSI B31.3, SAES- J-700, INLINE HIGH EFFICIENCY MIXER PACKAGE, ADJUSTABLE OR STATIC, TYPICALLY HAS PIPE &	
Static Equipment	6000017141	INLINE MIXING SKID;	管路混合撬;	FITTINGS, INJECTION CONE AND INJECTION PIPE SPOOL, INJECTION QUILL, HOUSING. INTERNAL MIXING PARTS COULD BE FOR SOUR OR NON-SOUR SERVICE 8–32 NPS PRODUCT RANGE, ANSI FLANGE 150# TO 900#. FOR MIXING OIL WITH WATER OR CHEMICALS. FABRICATION WITH APPROVED MANUFACTURER	11500

Static Equipment	6000017431	UNIT, CENTRIFUGE PACKAGE (VERTICAL OR HO		UNIT; CENTRIFUGE PACKAGE (VERTICAL OR HORIZONTAL) TYPE, DEVICE/PACKAGE USED TO SEPARATE TWO OR THREE PHASES RROM EACH OTHER BY CENTRIFUGAL FORCE OR ROTATION. APPLIES SEDIMENTATION PRINCIPLE TO SEPARAT HEAVIER/DENSER SUBSTANCE/PARTICLE FROM LESS DENSE FLUIDSEPARATION OF WATER FROM OIL, OIL FROM WATER, SOLIDS FROM OIL, SOLIDS FROM LIQUIDS (WATER AND GLYCOL) OR THREE PHASE SEPARATION (SOLIDS, WATER, OIL)	11508
Static Equipment	6000017260	SKID, NITROGEN; PRESSURE SWING ADSORPTIO	氮气发生器; 变压吸附	SKID; NITROGEN ADSORPTION (PSA) SSURE SWING TYPE; 32-SAMSS-038, NITROGEN GENERATION UNIT, PSA (PRESSURE SWING ADSORPTION) TYPE. USES ADSORBENT SUCH AS CARBON MOLECULAR SIEVE. MORE THAN 95% VOLUME PURITY NITROGEN	11517
Static Equipment	6000017340	VALVE, BALL; SIZE UP TO NPS 12 INCH,ANY SUPPLY	球阀; 最大NPS 12英寸	VALVE, BALL; SIZE UP TO NPS 12 INCH, ANY SUPPLY, ANY END CONN, DUCTILE OR CAST IRON BODY, 04- SAMSS-035 04-SAMSS-048 AWWA OR OTHER EQUIVALENT, 2 OR 3 WAY, WITH OR WITHOUT ACTUATOR	12594
Static Equipment	600000308	VALVE; PLUG; LUBRICATED	油帶調業機	VALVE PLUG; LUBRICATED TYPE,SIZE ANY SIZE,ANY PRESSURE RATING SUPPLY,ANY END CONN,STEEL BODY,04-SAMSS-035,04-SAMSS-048 04-SAMSS-053,04-SAMSS-055 ASME B16.34,API 599 API 6A,WITH OR WITHOUT ACTUATOR,ASME CLASS 150 AND UP, API 2000 TRHU 5000.	12603
Static Equipment	6000017570	BURNER, BOILER, STEAM GENERATOR	燃烧器,锅炉,蒸汽发生器	BURNER; BOILER, STEAM GENERATOR TYPE, SIZE ANY, ANY SHAPE, ANY	12612