

4513 Synthetic Compressor Oil

SINOPEC 4513 synthetic compressor oil is such that blended with synthetic oil and such additive as anti-oxidizer, etc. It belongs to ISO-L-DAC series according to international classification standard, while being grouped into No.68, No.100, No.150 and No.220 based on kinematic viscosity at 40℃, and is especially suitable for screw type compression system of hydrocarbon gas.

Advantages

- ⊙ Excellent chemical stability and heat oxidation stability, preventing oil from damage
- ⊙ Not likely to form carbon residue and gummy matter
- ⊙ Good anti-corrosion property, ensuring normal operation of equipment
- ⊙ Excellent lubricity, reducing wear of equipment
- ⊙ With water solubility, and low solubility of hydrocarbon gas, preventing from being diluted in operation, keep appropriate operation viscosity, prolonging service life of oil and equipment

Performance Specification

The product meets the following specifications:

- ⊙ Q/SH PRD120—2008

Applications

- ⊙ Suitable for lubrication of compressor, especially screw compressor, engaged in pressurizing transportation, bottling, separating and recovering of such hydrocarbon gases as natural gas, gas, liquefied propane, chlorine-fluorine derivatives, ethene, biviny and vinyl chloride in refinery, oil/gas field, coking plant and mine

Typical Properties

Items	4513 synthetic compressor oil			
	68	100	150	220
Kinematic viscosity, mm ² /s				
100℃	68.45	19.80	28.87	39.4
40℃	14.03	101.0	151.2	221.5
Viscosity index	214	220	227	231
Flash point, ℃	261	264	269	271
Density (20℃), g/cm ³	1.0125	1.0312	1.0402	1.0424
Freezing point, ℃	-49	-46	-42	-40
Corrosion (T ₂ Cu, 100℃, 3hrs)	1b	1b	1b	1b

Similar Foreign Products

- ⊙ For applications as screw type compression system of hydrocarbon gas, this product performs as good as SUMMIT PGS-100, SHELL MO-DRELA GS, AGIP DICREA S150, CPI CP-1508-100 and CP-1507-100, etc

Application Examples

- ⊙ An ethene plant successfully replaced dedicated oil with this product for its imported large-sized YORK compressor, reducing cost on oil consumption a lot in the meantime.
- ⊙ An ethene plant has applied this product on YORK propane compressor for many years, and the result is satisfactory
- ⊙ A refinery applied this product for imported screw type compressor which taking the low-pressured gas of torch recovery system as media. The oil, with a long service life, met requirements on lubrication of this compressor
- ⊙ Enric compressor of a gas station operated very well when compressing natural gas with the help of this product

Special Attentions

- ⊙ Do not mix with other kind of oil, and do clean the lubricating system before use to avoid contamination
- ⊙ Close the cap in time after each use, keeping moisture, dust away
- ⊙ Material compatibility test should be carried out when used in lubricated part in contact with non-metallic material, such as rubber, plastic and paint

Packing

- ⊙ To be packed with 3.5kg plastic drum, 16kg/220L iron barrel or as required by customer