

## 4511-1 Ethene Compressor Oil

SINOPEC 4511-1 ethene compressor oil is highly refined oil blended with raw materials such as quality polyglycol ether, etc. According to international classification standard, it belongs to ISO-L-DAC type of oil.

### Advantages

- ⊙ Outstanding dilution-proof ability of light hydrocarbon, providing sufficient and effective lubrication for compressor in process of compressing light hydrocarbon gas such as ethene
- ⊙ Good low temperature fluidity, ensuring normal startup and operation of compressor in low temperature condition
- ⊙ Excellent anti-oxidation ability, providing long term stability of oil in contact with high temperature and high pressure gas such as ethene
- ⊙ Excellent adaptability to sealing material, ensuring long term operation of compressor seals
- ⊙ Excellent adaptability to metal, ensuring long term operation of compressor metallic parts
- ⊙ Outstanding over-all property, ensuring normal operation of compressor in all kinds of conditions

### Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 448—2007

### Applications

- ⊙ Specially developed lubricant for inside of cylinder of high/ultra high pressure reciprocating compressor of ethene and compressor of other kinds of hydrocarbon gas

### Typical Properties

Items	4511-1 ethene compressor oil
Appearance	Transparent liquid of no color to light yellow
Kinematic viscosity, mm <sup>2</sup> /s	
100℃	46.93
40℃	267.8
Viscosity index	236
Flash point (open), ℃	257
Freezing point, ℃	-19
Acid number, mgKOH/g	0.02
Mechanical impurity, % (m/m)	None
Ash content, % (m/m)	0.0008
Corrosion (T <sub>2</sub> Cu, 100℃, 3hrs), level	1b

## Similar Foreign Products

- ⊙ In ethane compressor oil application, the product performs as good as similar foreign compressor oil, such as UCON PE-320, UCON PE-320L, BP CL1400 and ORITES D-270

## Application Examples

- ⊙ Passed industrial tests for Pignone 6HE/3-2 ethene compressor

## Special Attentions

- ⊙ Keep it at clean, dry places with good ventilation, don't store in the open air
- ⊙ The product has certain hygroscopic property requiring intactness of external and internal packages
- ⊙ Dissolution may occur in contact with paint or part made of plastic such as synthetic glass. Try to avoid such contact in application
- ⊙ Be careful when mixing with other compressor oil, consult our technicians for any question

## Packing

- ⊙ To be packed with 200L iron barrel or as required by customer