

## 4522 Synthetic Refrigeration Compressor Oil

SINOPEC 4522 synthetic refrigeration compressor oil is blended with highly refined synthetic base oil and plural quality additives. It is especially suitable for screw type compression and refrigeration system of hydrocarbon gas.

### Advantages

- ⊙ With excellent properties of high flash point, low freezing point and less foam
- ⊙ Good heat oxidation stability, preventing oil from damage in high temperature condition
- ⊙ Good anti-corrosion property, ensuring normal operation of equipment
- ⊙ Excellent lubricity, reducing wear of equipment
- ⊙ Low ash content and carbon residue, not likely to form carbon residue and gummy matter
- ⊙ Having peculiar solubility and separation property for alkane, meeting application requirement of refrigeration system

### Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 176—2004

### Applications

- ⊙ Suitable for lubrication of large-sized screw compressor taking light hydrocarbon, e.g., propane, as media and used in oil/gas field, petrochemical and natural gas processing
- ⊙ Applied temperature range: -35℃ ~ 150℃

### Typical Properties

Items	4522 synthetic refrigeration compressor oil
Appearance	Transparent liquid of red brown
Kinematic viscosity (40℃), mm <sup>2</sup> /s	155.0
Viscosity index	195
Flash point (open), ℃	235
Freezing point, ℃	-44
Neutralization value, mgKOH/g	0.10

### Similar Foreign Products

- ⊙ For applications as screw type compression system of hydrocarbon gas, this product performs as good as SYNTHLIC ESL-22H, START-EC 2210, etc

## Application Examples

- ⊙ This product is applied to lubrication of multiple two-stage screw type compressor of refrigeration system of light hydrocarbon recovery plants in an oil field with capacity of 100,000m<sup>3</sup> and 300,000m<sup>3</sup>, model: C-610 (made in Japan), which takes propane gas as refrigerant, with design temperature of propane evaporator of -20℃ ~ -37℃, pressure of 0.08MPa ~ 0.10MPa

## 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/200L iron barrel or as required by customer