

## 4521 Synthetic Refrigeration Compressor Oil

SINOPEC 4521 synthetic refrigeration compressor oil is refrigeration system used lubricant blended with synthetic base oil and plural highly refined additives such as extreme pressure agent, anti-oxidizer, anti-corrosion agent and so on.

### Advantages

- ⊙ Outstanding heat oxidation stability, preventing oil from damage in high temperature condition
- ⊙ Good material adaptability, preventing oil from leaking out of system during operating
- ⊙ Excellent low temperature property, extremely low pour point, low flocculation point of Freon, no wax formed but perfect fluidity under low temperature, ensuring application of system under various low temperature conditions
- ⊙ Outstanding high/low temperature property, ensuring normal operation of system in wide temperature range
- ⊙ Good lubricity, protecting refrigeration compressor from wear
- ⊙ Outstanding over-all property, ensuring long term normal operation of refrigeration system

### Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 175—2007

### Applications

- ⊙ Widely used to lubrication of rotary screw, reciprocating and rotary vane compressors in ammonia refrigeration system in food and chemical engineering industries, and also to lubrication of compressor using refrigerant R21 in cases of refrigerator, freezer, air conditioner, central air conditioner, refrigeration van, water chiller and refrigeratory
- ⊙ Applied temperature range: -60℃ ~ 150℃, and 170℃ for short period of time

### Typical Properties

Items	4521 synthetic refrigeration compressor oil			
	32	46	68	100
Kinematic viscosity (40℃), mm <sup>2</sup> /s	31.8	46.2	67.8	98.5
Neutralization value, mgKOH/g	0.02	0.02	0.03	0.02
Flash point (open), ℃	240	252	258	260
Pour point, ℃	<-60	-56	-53	-50
Water content, ppm	28	28	29	30
Corrosion (T <sub>2</sub> Cu, 100℃, 3hrs), level	1b	1b	1b	1b
Insulation strength, kV	35	35	35	35

## Similar Foreign Products

- ⊙ The same as Mobil Gargoyle Arctic Oil SHC 200 series and any other kind of similar refrigeration compressor oil used in ammonia refrigeration system

## Special Attentions

- ⊙ Do not mix with other lubricant resulting in reduction due to possible physical or chemical reactions between different oil
- ⊙ 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 4L, 200L iron barrels or as required by customers