

4521 Synthetic Refrigeration Compressor Oil

4521 synthetic refrigeration compressor oil is refrigeration system used lubricant blended with synthetic base oil and high performance multi-functional additives such as extreme pressure, anti-oxidizer, anti-corrosion agent and so on.

Advantages

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

Performance

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°C ~ 150°C , possibly reaching 170°C in short time

Typical properties

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