

4521-1 Refrigeration Compressor Oil

SINOPEC 4521-1 refrigeration compressor oil is the lubricant dedicated to ammonia refrigeration system and blended with special structured semi-synthetic base oil and high efficiency additive without acid.

Advantages

- ⊙ Excellent low temperature fluidity, ensuring little oil entered system returning back to compressor
- ⊙ Relatively high viscosity index, ensuring good lubricity and sealing of equipment in wide temperature range
- ⊙ Relatively low acid number, not likely to react with refrigerant to produce harmful matter such as deposit
- ⊙ Good rust-proof and anti-corrosion properties, preventing parts of compressor from corrosion

Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 175—2007

Applications

- ⊙ Suitable for lubrication of rotary screw, reciprocating and rotary vane compressors in ammonia refrigeration system in food and chemical engineering industries
- ⊙ Applied temperature range: -35℃ ~ 100℃, and 130℃ for short period of time

Typical Properties

Items	4521-1 refrigeration compressor oil		
	32	46	68
Kinematic viscosity (40℃), mm ² /s	30.29	45.56	63.54
Viscosity index	120	118	115
Flash point (open), ℃	232	236	246
Pour point, ℃	-40	-40	-42
Acid number, mgKOH/g	0.01	0.01	0.01
Corrosion (45#steel, 100℃, 3hrs)	Qualified	Qualified	Qualified

Similar Foreign Products

- ⊙ As good as CP1009 of CPI company

Application Examples

- ⊙ Tests carried out on LG20IIIA screw compressor in a refrigeration plant showed that the product can save more than 5% energy when compared with common mineral oil

Special Attentions

- ⊙ Do not mix with other lubricant, which resulting in the reduction of product performance
- ⊙ Close the cap in time after each use, keeping moisture, dust away

Packing

- ⊙ To be packed with 4L, 16L, 200L iron barrel or as required by customer