

4521-1 Semi-Synthetic Refrigeration Compressor Oil

4521-1 semi-synthetic refrigeration compressor oil is the lubricant dedicated to ammonia refrigeration system and blended with semi-synthetic base oil of special structure 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 mater such as deposit
- ⊙ Good anti-rust and anti-corrosion performance, preventing parts of compressor from corrosion

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℃, possibly reaching 130℃ in short time

Typical properties

Items	4521-1 semi-synthetic 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 (COC), ℃	232	236	246
Pour point, ℃	-40	-40	-42
Acid number, mgKOH/g	0.01	0.01	0.01
Corrosion (steel 45 [#] , 100℃, 3h)	Pass	Pass	Pass