

COOLMAX PAO 68

Product code: 262201401

Synthetic ammonia refrigeration compressor fluid

This product is a PAO based synthetic compressor fluid. It is specially formulated to lubricate compressors used in ammonia refrigeration systems. The problems normally seen (high oil consumption-reduced efficiency due to pipe clogging) will be history when the product is used. This product is fully miscible with conventional mineral oils, therefore a change-over procedure is fairly easy. High concentrations of mineral based product will however reduce the performance. The product compatibility with paints, seals, gaskets and hoses, is similar to mineral oils. No special precautions related to compatibility are required when changing over from a mineral oil lubricant. Coolmax PAO is compatible with R1234yf und R134a.

Applications

Reciprocating and rotary screw compressors used in ammonia systems as well as gas compressors and vacuum pumps in process systems where ammonia vapors occur.

Benefits & Advantages

- Fully compatible with ammonia
- Compatible with R1234yf and R134a
- Contains a minimum of additives
- Prevent deposit formation in low temperature systems
- Reduces discharge valve deposits
- Excellent lubricity
- High film strength
- Zero wax content
- Improves compressor efficiency
- Low volatility
- Very low vapor pressure

Gas type compatibility

The product is suitable for processing the following gases:

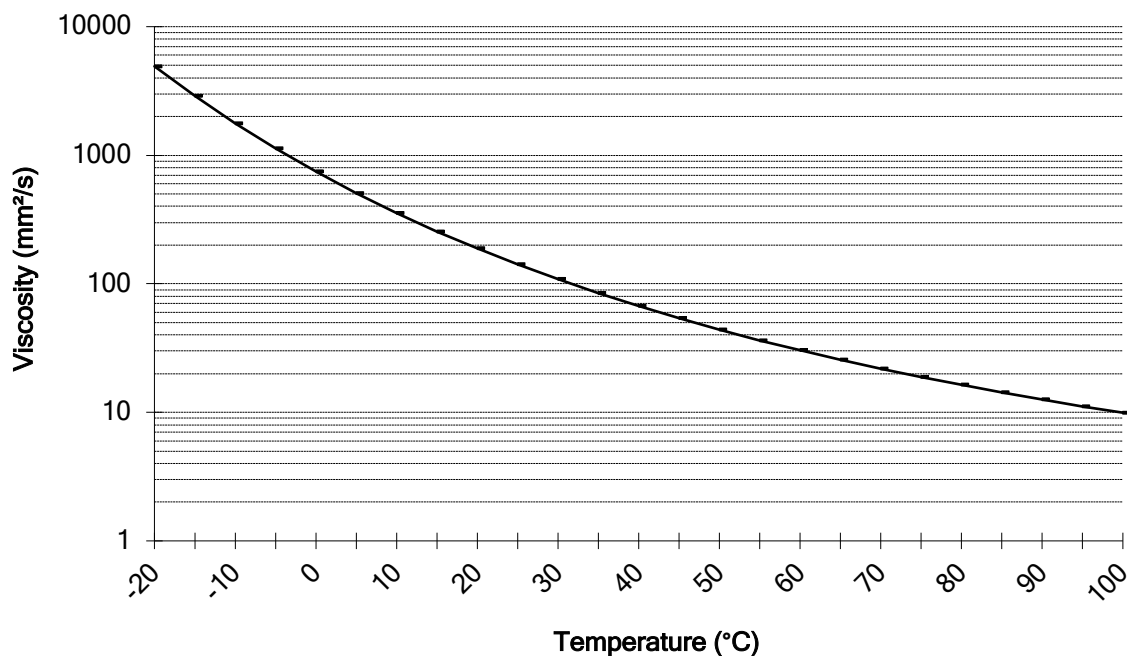
R717 (ammonia)	R290 (propane)	R22
R1234yf	R134a	

COOLMAX PAO 68

Product code: 262201401

Typical Performance Data

Typical	Test Method	Value
Density @ 15 °C, gr/l	ASTM D792	0.860
Viscosity @ 40 °C	ASTM D445	67
Viscosity @ 100 °C	ASTM D445	9.94
Viscosity Index	ASTM D2270	>135
Pour point, °C	ASTM D97	-46
Flash point, °C	ASTM D92	265
Auto ignition point, °C	ASTM D959	348
TAN, mg KOH/g	ASTM D664	<1.0
Water content, ppm	ASTM D1744	<50
4-ball wear test, 1200 RPM 75 °C 20 kg/hr <ul style="list-style-type: none"> • Welding load, kg • Scar mm 	ASTM D2793	110 0.4
Steel corrosion 24hrs @ 100 °C	ASTM D665A	None
Falex mm, 250 lbs for 10 min.	ASTM D3233	0.3
Foaming tendency ml, sequence I	ASTM D892	20
Demulsibility, 55 °C, 30 min	ASTM D2711	40/40/0
Copper corrosion, 24 hr	ASTM D4048	1a



All performance data on this Technical Data Sheet are indicative only and can vary during production.