COOL-PLUS
PAO ULP 68

REFRIGERATION OILS

322201901

FULLY SYNTHETIC PAO BASED COOL COMPRESSOR FLUID WITH ULTRA-LOW POUR POINT

These synthetic compressor fluids are based on PAO and are specifically designed for use in ammonia refrigeration compressors. They address common issues like high oil consumption and reduced efficiency due to pipe clogging. These fluids are fully compatible with conventional mineral oils, making the change-over process straightforward. However, high concentrations of mineral-based products can negatively impact their performance. The product is also compatible with seals, gaskets, hoses, and paints, similar to mineral oils. No special precautions are necessary when switching from a mineral oil lubricant. These compressors are suitable for use in ammonia systems and can be either reciprocating or rotary screw compressors. Additionally, they can also be used in gas compressors and vacuum pumps in process systems where ammonia vapours are present.

CATEGORY

- Refrigeration Fluids

BENEFITS

- Fully compatible with ammonia
- 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 vapour pressure

PROPERTY	METHOD	VALUE
Density @ 15 °C, kg/dm³	ASTM D1298	0.851
FOUT	ASTM D445	68
FOUT	ASTM D445	10,5
Viscosity index	ASTM D2270	150
Pour point, °C	ASTM D97	-53
Flash point, °C	ASTM D92	260
TAN, mg KOH/g	ASTM D664	<1,0
Water content, ppm	ASTM D1744	<0,01
4-ball wear test, wear scar diam.	ASTM D2783	0,66
Rust test 24h @ 100°C	ASTM D665A	None
Falex mm, 250 lbs for 10 min.	ASTM D3233	0,3
Foaming tendency ml, sequence I	ASTM D892	30
Demulsibility @ 54 °C	ASTM D1401	
Ml oil/water/emulsion (min)	ASTM D1401	
Evaporation 22h, @ 99°C, %	ASTM D972	
Copper corrosion 3h @ 100 °C	ASTM D130	

All data on this technical data sheet is indicative only

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