

COOL-PLUS PAO GEN-UV 68

REFRIGERATION OILS

322201801

DYADE
LUBRICANTS



SYNTHETIC AMMONIA REFRIGERATION COMPRESSOR FLUID

These synthetic compressor fluids are formulated with a blend of PAO and UV additives, designed specifically for lubricating compressors used in ammonia refrigeration systems. They effectively solve the issues commonly associated with high oil consumption and reduced efficiency due to pipe clogging. The products are fully compatible with conventional mineral oils, making the change-over procedure relatively easy. However, the performance of the product may be reduced with high concentrations of mineral-based lubricants. Its compatibility with paints, seals, gaskets, and hoses is similar to mineral oils, and no special precautions related to compatibility are required when changing from a mineral oil lubricant. These products are suitable for use in reciprocating and rotary screw compressors in ammonia systems, as well as gas compressors and vacuum pumps in process systems where ammonia vapors occur. 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
- Contains UV dye to trace leakages and spillages easily and quickly

PROPERTY	METHOD	VALUE
Density @ 15 °C, kg/dm ³	ASTM D792	0.86
FOUT	ASTM D445	67
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Viscosity index	ASTM D2270	131
Pour point, °C	ASTM D97	-30
Flash point, °C	ASTM D92	233
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 - Welding load, kg	ASTM D2783	110
4-ball wear test - Scar mm, 1200 RPM 75 °C 20 kg/hr	ASTM D2783	0,4
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	20
Demulsibility, 55 °C, 30 min	ASTM D2711	40/40/0
Copper corrosion 24h	ASTM D4048	1a

All data on this technical data sheet is indicative only

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