

PAO PREMIUM POLYOL ESTER AIR COMPRESSOR LUBRICANT



DESCRIPTION

PURUS® SYNTHETIC SOLUTIONS PAO PREMIUM POLYOL ESTER AIR COMPRESSOR LUBRICANT is a fully formulated synthetic high performance compressor lubricant based on a blend of polyalphaolefin (PAO) and polyol ester (POE). The product is extremely effective in minimizing or eliminating solid formation during use which can be an issue with other PAO based formulations. It is ashless and is formulated with an advanced additive system to prevent corrosion in critical areas of the compressor system and inhibit oxidation of the lubricant basefluid. The fluid displays outstanding thermal, oxidative, and hydrolytic stability in demanding applications that require extended drain intervals and performance. The product is demulsible, has a low pour point and stable viscosity to increase effectiveness in applications where high and low temperature extremes are encountered.

APPLICATIONS*

- Rotary screw air compressors
- Centrifugal compressors

* To assure proper lubricant selection, please consult your PURUS Synthetic Solutions representative.

PERFORMANCE BENEFITS

FEATURES:

- Extremely low water content
- Ashless formulation
- High viscosity index and low pour point
- Rust and corrosion protection
- Excellent thermal and oxidative stability
- Completely demulsible

BENEFITS:

- Maximum bearing life
- Minimal to no solid formation
- Better oil flow and less wear at start up
- Wide operating temperature range
- Maximum bearing, cooler and equipment life
- Minimal vapor phase oil carryover to downstream equipment
- Longer oil life
- Longer filter life
- Minimize maintenance costs

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TYPICAL PROPERTIES*

TEST METHOD

ISO GRADE 46

Viscosity cSt @ 40° C	ASTM D-445	45.7
Viscosity cSt @ 100° C	ASTM D-445	8.18
Viscosity Index	ASTM D2270	153
Moisture, ppm	ASTM D-1744	< 200
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	0.872
Density, lb/gal	ASTM D-4052	7.27
Corrosion Testing	ASTM 665 A&B	Pass
Flash Point, °F/°C	ASTM D-92	494/257
Pour Point, °F/°C	ASTM D-97	-49/-45
Demulsibility	ASTM D 1401 @ 130°F 54°C	-
Oil – Water – Emulsion Time (minutes 15)	-	40-40-0

*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

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	5 GALLON PAIL	55 GALLON DRUM	275 GALLON	330 GALLON TOTE
ISO 46	PSS27365	PSS17365	PSS57365	PSS77365