

PAO GAS COMPRESSOR LUBRICANT



DESCRIPTION

PURUS® SYNTHETIC SOLUTIONS PAO GAS COMPRESSOR LUBRICANT series is a fully formulated polyalphaolefin (pao) based synthetic high performance compressor lubricant. Its primary use is in rotary screw and centrifugal gas compression applications. The series is ashless and is formulated with an advanced additive system to prevent corrosion and oxidation. The product displays outstanding thermal, oxidative, and hydrolytic stability in applications that require extended drain intervals and performance. This gas compressor series is completely 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
- Turbine Feed

* 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 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 100

ISO GRADE 150

Viscosity cSt @ 40° C	ASTM D-445	100.0	148
Viscosity cSt @ 100° C	ASTM D-445	13.4	17.8
Viscosity Index	ASTM D2270	134	133
Moisture, ppm	ASTM D-1744	<50	< 50
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	0.851	0.85
Density, lb/gal	ASTM D-4052	7.1	7.11
Flash Point, °F/°C	ASTM D-92	527/275	536/280
Pour Point, °F/°C	ASTM D-97	-40/-40	-38/-39
Demulsibility	ASTM D-1401	40/40/0 <5min	40/40/0 <5min
Rust			
• Fresh Water Corrosion	ASTM D-665A	Pass	Pass
• Salt Water Corrosion	ASTM D-665B	Pass	Pass
Copper Corrosion, 24 hr., 212°F	ASTM D-130	1a	1a

*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 100	PSS27355	PSS17355	PSS57355	PSS77355
ISO 150	PSS27356	PSS17356	PSS57356	PSS77356