

## PAO DIESTER AIR COMPRESSOR LUBRICANT



### DESCRIPTION

**PURUS® SYNTHETIC SOLUTIONS PAO DIESTER AIR COMPRESSOR LUBRICANT** series is a fully formulated polyalphaolefin (PAO) based synthetic high performance compressor lubricant. Its primary use is in rotary screw air compression applications. It 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. The fluid is completely demulsible, has a low pour point and stable viscosity to increase effectiveness in applications where high and low temperature extremes are encountered. The product meets or exceeds DIN 51506 VDL and ISO 6743-3 L-DAJ specifications.

### APPLICATIONS\*

- Rotary screw air compressors
- Centrifugal compressors

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

### PERFORMANCE BENEFITS

FEATURES:	BENEFITS:
<ul style="list-style-type: none"> <li>• Extremely low water content</li> <li>• Ashless formulation</li> <li>• High viscosity index and low pour point</li> <li>• Rust and corrosion protection</li> <li>• Excellent thermal and oxidative stability</li> <li>• Completely demulsible</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum bearing life</li> <li>• Minimal solid formation</li> <li>• Better oil flow and less wear at start up</li> <li>• Wide operating temperature range</li> <li>• Maximum bearing, cooler and equipment life</li> <li>• Minimal vapor phase oil carryover to downstream equipment</li> <li>• Longer oil life</li> <li>• Longer filter life</li> <li>• Minimize maintenance costs</li> </ul>

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### TYPICAL PROPERTIES\*

### TEST METHOD

### ISO GRADE 46

Viscosity cSt @ 40° C	DIN 51562 ASTM D-445	44.1
Viscosity cSt @ 100° C	DIN 51562 ASTM D-445	7.7
Viscosity Index	DIN ISO 2909 ASTM D2270	145
New Fluid Moisture, ppm	ASTM D-1744	< 50
Specific Gravity @ 60°F/15.6° C	ASTM D-4052	0.846
Density, lb/gal	DIN 51757 ASTM D-4052	7.05
Flash Point, °F/°C	ASTM D-93	509/265
Pour Point, °F/°C	ASTM D-97	-44/-42
Demulsibility	DIN 51599 ASTM D-1401	40/40/0 < 30 min
New Fluid ISO Cleanliness	ISO 4406	14/13/12
Rust <ul style="list-style-type: none"> <li>• Fresh Water Corrosion</li> <li>• Salt Water Corrosion</li> </ul>	ASTM D-665A ASTM D-665B	Pass Pass
Copper Corrosion, 250 hr., 210°F	ASTM D-130	1a
Rotary Pressure Vessel Oxidation (RPVOT), min	ASTM 2272	2293
Cincinnati Milacron Oxidation, 135°C, 7 Days <ul style="list-style-type: none"> <li>• Viscosity Change, %</li> <li>• Acid Number Change</li> </ul>	ASTM D-2070	1.06 0.14

\*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	PSS27362	PSS17362	PSS57362	PSS77362