



## Premium Rotary Air Compressor Oil

Premium Rotary Air Compressor Oil is a premium quality, semi-synthetic lubricant developed for use in rotary air compressors operating under moderate to severe service conditions. The semi-synthetic formulation provides enhanced thermal and oxidative stability at high temperatures to minimize the formation of sludge and varnish.

Premium Rotary Air Compressor Oil is formulated with a blend of synthetic and premium hydrocracked paraffinic base oils, and select additives. It has excellent oxidation resistance and thermal stability at high temperatures, plus natural detergency, to minimize deposit formation and provide long service life. It has low volatility to help reduce oil consumption, good low-temperature properties, and protects against rust and corrosion. It also has good water-separating properties and is resistant to foam buildup.

Premium Rotary Air Compressor Oil is **not** recommended for use in reciprocating compressors or gas compression service.

### **Applications**

- Oil-flooded rotary screw, rotary lobe and rotary vane air compressors
- Circulating systems requiring a semi-synthetic lubricant
- Industrial equipment operating over a wide temperature range where an inhibited mineral oil is recommended
- Industrial equipment where operating conditions are too severe for conventional mineral oil-based R&O-inhibited circulating oils

Premium Rotary Air Compressor Oil meets the requirements of the following industry specifications:

- DIN 51506, Air Compressor Lubricant Standard, Grade VDL
- DIN 51517 Part 2, Lubricating Oils, Type CL
- DIN 51517 Part 3, Lubricating Oils, Type CLP

### **Features/Benefits**

- Semi-synthetic formulation
- Excellent resistance to thermal breakdown at high temperatures
- Excellent oxidation resistance to minimize sludge and varnish formation
- Good wear protection

**Premium  
Semi-Synthetic  
Rotary  
Air Compressor Oil**

### **Contact Information**

**U.S. Customer  
Service:  
1-800-822-6457**

**Technical Hot Line:  
1-800-766-0050**

**International  
Customer Service:  
+1-832-486-3363  
+1-832-486-3870**

**E-mail address:  
lubricants@  
conocophillips.com**

**[www.conocophillipslubricants.com](http://www.conocophillipslubricants.com)**

**600 N. Dairy Ashford • 2W9000 • Houston, TX 77079**



- Natural detergency
- Protects against rust and corrosion
- Good low-temperature properties
- Good water-separating properties
- Good foam resistance
- Low carbon-forming tendency

### Premium Rotary Air Compressor Oil

#### Typical Properties

<b>ISO Grade</b>	<b>32/46</b>
Specific Gravity @ 60°F	0.860
Density, lbs/gal @ 60°F	7.16
Color, ASTM D1500	L 0.5
Flash Point (COC), °C (°F)	232 (450)
Pour Point, °C (°F)	-21 (-6)
Viscosity,	
cSt @ 40°C	36.0
cSt @ 100°C	6.5
SUS @ 100°F	184
SUS @ 210°F	48.0
Viscosity Index	108
Acid Number, ASTM D974, mg KOH/g	0.12
Demulsibility, ASTM D1401, minutes to pass	15
Foam Test, ASTM D892	Pass
Oxidation Stability, RPVOT, ASTM D2272, minutes	2,000
Rust Test, ASTM D665 A&B	Pass

#### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

Copyright © 2009 ConocoPhillips Company. The ConocoPhillips logo, Conoco, the Conoco logo, Phillips 66, the Phillips 66 logo, 76 and the 76 logo are trademarks of ConocoPhillips Company in the U.S.A. and other countries.