



## Syndustrial<sup>®</sup> Rotary Compressor Oil

Syndustrial Rotary Compressor Oil is a premium quality synthetic lubricant developed for use in oil-flooded rotary screw, rotary lobe and rotary vane air compressors. It is particularly recommended for use in applications where operating conditions are unfavorable or too severe for conventional mineral oil-based compressor oils.

Syndustrial Rotary Compressor Oil is formulated with a blend of synthetic polyalkylene glycol (PAG) and synthetic ester base oils and carefully selected additives. It has outstanding oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It has high film strength to protect against wear, and also protects against rust and corrosion.

Syndustrial Rotary Compressor Oil is formulated to outperform conventional paraffinic or naphthenic compressor oils in oxidation resistance and deposit control. It has better thermal stability at high temperatures to minimize sludge and varnish formation. It also has lower volatility for lower oil consumption. These benefits result in longer service intervals and less maintenance than with conventional petroleum oils.

### Applications

- Oil-flooded rotary screw, rotary lobe and rotary vane air compressors where the manufacturer specifies a synthetic polyglycol/ester lubricant
- Drop-in replacement for OEM-branded polyglycol-based compressor oils

**Note:** *Syndustrial Rotary Compressor Oil is **not** compatible with petroleum compressor oils. Care should be taken to avoid mixing the two products. When switching over from mineral oil to Syndustrial Rotary Compressor Oil, a complete flush, drain and refill should be performed.*

### Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- High viscosity index and very low pour point for use over a wide temperature range
- Excellent cooling and heat transfer properties
- Excellent deposit control
- High film strength for wear protection
- Low volatility for lower oil consumption and less makeup oil
- Protects against rust and corrosion

**Synthetic  
Polyalkylene  
Glycol/Ester-Based  
Air Compressor Oil**

### Contact Information

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

**U.S. Technical  
Services Hot Line:  
1-800-766-0050**

**International:  
+1-832-486-3363**

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

<http://lubricants.conocophillips.com>

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



- Extended service intervals compared with conventional mineral oil-based lubricants
- Compatible with commonly used seals, gaskets and hoses<sup>(1)</sup>

<sup>(1)</sup> **Note:** *Syndustrial Rotary Compressor Oil is compatible with neoprene, silicone rubber, teflon, vespal and viton, as well as epoxy paints. It is **not** compatible with oil-based paints or with solvents, such as diesel fuel, kerosene, heptane, methanol, ethylene glycol or triethanolamine.*

## Syndustrial® Rotary Compressor Oil

### Typical Properties

<b>ISO Grade</b>	<b>32/46</b>
Specific Gravity @ 60°F	0.964
Density, lbs/gal @ 60°F	8.04
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	251 (484)
Pour Point, °C (°F)	-57 (-71)
Viscosity,	
cSt @ 40°C	35.9
cSt @ 100°C	7.3
SUS @ 100°F	182
SUS @ 210°F	51
Viscosity Index	158
Acid Number, ASTM D974, mg KOH/g	0.17
Copper Corrosion, ASTM D130	1a
Foam Test, ASTM D892	Pass
Four-Ball Wear, ASTM D4172, Scar Diameter, mm	0.53
Oxidation Stability, RPVOT, ASTM D2272, minutes	>1,800
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.

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