



## Premium Gas Compressor Oil

Premium Gas Compressor Oil is a premium quality, synthetic blend lubricant developed for use in oil-flooded rotary screw and rotary vane gas compressors, and as a cylinder lubricant and crankcase oil in reciprocating compressors in natural gas service. It is specially formulated to minimize the effects of gas dilution and oil absorption in this type of service.

Premium Gas Compressor Oil is formulated to provide excellent service and protection over a wide temperature range. It has excellent oxidation resistance and thermal stability at high temperatures to help minimize deposit formation, and has a high viscosity index and good low-temperature properties for year-round use. It protects against rust and corrosion, and contains a special inhibitor to resist corrosion caused by hydrogen sulfide in sour gas. The synthetic blend formulation provides enhanced oxidation resistance and lower volatility at high temperatures compared to conventional mineral oils, which can result in extended service intervals, lower oil consumption and reduced maintenance.

### **Applications**

- Oil-flooded rotary screw and rotary vane gas compressors
- Industrial reciprocating compressors pumping natural gas
- Reciprocating compressors commonly found in remote gas gathering stations

Premium Gas Compressor Oil can be used in applications where Frick No. 12 synthetic gas compressor oil is recommended.

### **Features/Benefits**

- Excellent oxidation resistance and thermal stability at high temperatures
- High viscosity index and low pour point for use over a wide temperature range
- Formulated to minimize the effects of gas dilution and oil absorption
- Low varnish-forming tendency
- Resists hydrogen sulfide corrosion
- Protects against rust and corrosion

**Premium  
Synthetic Blend  
Compressor Oil For  
Natural Gas Service**

### **Contact Information**

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1-800-822-6457**

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1-800-766-0050**

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## Premium Gas Compressor Oil

### Typical Properties

ISO Grade	150
Specific Gravity @ 60°F	0.875
Density, lbs/gal @ 60°F	7.29
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	227 (441)
Pour Point, °C (°F)	-33 (-27)
Viscosity,	
cSt @ 40°C	150
cSt @ 100°C	18.6
SUS @ 100°F	775
SUS @ 210°F	94.8
Viscosity Index	140
Acid Number, ASTM D974, mg KOH/g	0.22
Copper Corrosion, ASTM D130	1a
Demulsibility, ASTM D1401, minutes to pass	15
Foam Test, ASTM D892	Pass
Four-Ball Wear, ASTM D4172, Scar Diameter, mm	0.50
Oxidation Stability, RPVOT, ASTM D2272, minutes	1,100
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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