



Gas Compressor Oil

Gas Compressor Oil is a high-quality lubricant developed for the lubrication of oil-flooded rotary compressors and for cylinder lubrication in reciprocating compressors in natural gas service. It is formulated to minimize the effects of gas dilution and oil absorption in this type of service.

Gas Compressor Oil is specially formulated to provide excellent service and protection in gas compression service. It has excellent oxidation resistance and thermal stability at high temperatures to help minimize deposit formation and provide long service life. It protects against rust, corrosion and wear, and is resistant to excessive foam buildup that can interfere with proper lubrication.

Gas Compressor Oil is particularly recommended for use in applications where the compressor outlet pressure is less than 150 psig, the specific gravity of the gas stream is less than 1.000, and the gas outlet temperature is well above the condensation point of the gas.

Applications

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

Features/Benefits

- Excellent oxidation resistance and thermal stability at high temperatures
- Formulated to minimize the effects of gas dilution and oil absorption
- Good wear protection
- Protects against rust and corrosion
- Good foam resistance

**Compressor Oil For
Natural Gas Service**

Contact Information

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

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

**International
Customer Service:
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Gas Compressor Oil

Typical Properties

ISO Grade	150
Specific Gravity @ 60°F	0.879
Density, lbs/gal @ 60°F	7.32
Color, ASTM D1500	2.5
Flash Point (COC), °C (°F)	277 (531)
Pour Point, °C (°F)	-18 (0)
Viscosity,	
cSt @ 40°C	158
cSt @ 100°C	15.5
SUS @ 100°F	830
SUS @ 210°F	81.8
Viscosity Index	99
Acid Number, ASTM D974, mg KOH/g	0.14
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	0.40
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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