



CITGO COMPRESSORGARD® PAG 150 VR

Date 03/14

DESCRIPTION: CITGO CompressorGard PAG 150 VR is a premium polyalkylene glycol based compressor lubricant designed to provide excellent performance in high pressure compressors and pumps, especially where gases are present such as natural gas, carbon dioxide, hydrogen, helium, nitrogen and ammonia.

BENEFITS: CITGO CompressorGard PAG 150 VR offers:

- High resistance to hydrocarbon dilution and absorption of the gas stream in gas processing applications.
- Provides excellent resistance to compressor cylinder wash off by liquid hydrocarbon gases.
- Lower lubricant consumption minimizes downstream problems in separators, meters, filters, etc.
- Offers compatibility with well bore fluids and treating chemicals, therefore reducing well impairment incidence.
- Outstanding thermal and oxidative stability, and high resistance to sludge and deposit formation.
- High viscosity index and low pour point allows for a greater useable temperature range.
- Low coefficient of friction and excellent heat transfer properties provides energy savings potential and reduces operating temperatures.

APPLICATIONS: CITGO CompressorGard PAG 150 VR is recommended for use in:

- Rotary Screw and Vane Compressors
- Reciprocating Compressors and Compressor Cylinders
- Vapor recovery units
- Applications requiring dilution resistance to gases

CITGO Compressorgard PAG 150 VR is compatible with most seal materials in use today, for best results contact your seal manufacturer.

CITGO Compressorgard PAG 150 VR is not miscible with mineral oils and should not be used as make-up for systems filled with conventional mineral oils. Mineral oils should not be used as top-off for systems which contain CITGO CompressorGard PAG 150 VR. CITGO CompressorGard PAG 150 VR is hygroscopic and does not separate from water. As a result, water does not settle to the bottom of system reservoirs.

TYPICAL PROPERTIES:**CITGO COMPRESSORGARD® PAG 150 VR**

ISO Viscosity Grade	150
Material Code	632537001
Specific Gravity, 60/60°F	1.047
Density, lb/gal	8.72
Viscosity, ASTM D 445, cSt at 40°C	154.1
at 100°C	29.3
Viscosity Index, ASTM D 2270	232
Pour Point, ASTM D 97, °F (°C)	-49 (-45)
Flash Point, ASTM D 92, °F (°C)	547 (286)
Rust Protection, ASTM D 665, A/B	Pass
4-Ball Weld, ASTM D 4172, mm at 40kg	0.30
Color	Violet