

Mobil Gas Compressor Oil

Product Description

Mobil Gas Compressor Oil is a premium quality, high performance, synthetic gas compressor lubricant based on poly-alkylene glycol. It is primarily intended for use in gas compressors for hydrocarbon and chemical gases where the crankcases and bearings operate in a gas filled atmosphere. It is particularly suitable for marine service on vessels carrying liquefied gas cargoes. It also has application in general industry where problems with oil and gas solubility issues have resulted in less than satisfactory equipment performance. Compared with conventional mineral oil, Mobil Gas Compressor Oil has a lower gas solubility and consequently resists dilution and has improved viscosity control which results in additional protection against wear, improved efficiency and reduced foaming.

Features and Benefits

Mobil Gas Compressor Oil is a special purpose synthetic product developed to reduce the problems resulting from gas dissolving in the lubricant and causing problems with wear, sealing, increased maintenance and frequent oil changes.

It offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Reduced hydrocarbon and Chemical Gas Solubility	Improved viscosity control Reduced component wear Reduced downtime and lower maintenance costs
Increased oil drain intervals versus mineral oils	Extended production capability, less downtime
Suitable for use with a wide range of gases, including vinyl chloride and butadiene	Improves compressor efficiency for these gases and simplifies inventory
Does not promote dimerisation of butadiene or generate solid deposits	Reduces maintenance and clean up

Applications

Mobil Gas Compressor Oil is recommended for the lubrication of crankcases and bearings operating in gas filled atmospheres including:

- Liquefied petroleum gases such as propane and butane
- Liquefied natural gases such as methane and ethane
- Hydrocarbon chemical gases such as ethylene, propylene and butylene
- Chemical gases such as ammonia, vinyl chloride monomer and butadiene

Approvals

Typical Properties

Viscosity, ASTM D 445	
cSt @ 40°C	175
cSt @ 100°C	32.3
Viscosity Index, ASTM D 2270	230
Color, ASTM D 1500	≤2.0
Pour Point, °C, ASTM D 97	-36
Flash Point, °C, ASTM D 92	294
Density @ 15°C kg/l, ASMT D 4052	1.056

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your sales contract office, or via the Internet on <http://www.exxonmobil.com>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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