



Mobil Glygoyle SCF

Mobil Industrial , Canada

PREMIUM QUALITY POLYGLYCOL GAS COMPRESSOR LUBRICANT

Product Description

Mobil Glygoyle SCF lubricants are custom formulated lubricants designed for use in rotary screw compressors. The specially designed polyglycol basestock of the Mobil Glygoyle SCF lubricants limits dilution by hydrocarbon and other compressed gases making Mobil Glygoyle SCF particularly well suited for harsh chemical environments. The use of Mobil Glygoyle SCF allows up to 20 maximum wt. % hydrocarbon dilution. Mobil Glygoyle SCF is formulated with Proprietary components designed to prevent rust and corrosion in the presence of H₂S as well as to control oxidation and foam.

Features and Benefits

Mobil Glygoyle SCF is a custom-blended Polyglycol (PAG) synthetic lubricant specially formulated to offer excellent performance in demanding gas compressor applications. Formulated with a PAG polymer basestock, Mobil Glygoyle SCF is designed to exceed the capabilities of petroleum-base and many synthetic-base lubricants in this severe service application. The excellent oxidative and thermal stability of Mobil Glygoyle SCF helps to assure long service life in high temperature operations. Their inherently high viscosity indexes, (>200), facilitate low temperature startup and help maintain acceptable viscosity over a wide temperature range. Mobil Glygoyle SCF lubricants have outstanding lubricity. Mobil Glygoyle SCF is designed with additive technology that provides enhanced protection against wear, oxidation, corrosion and foam. Polyethylene glycols are highly stable even at sustained high temperatures and thus have very low deposit-forming tendency. Any decomposition products that may form are soluble in the lubricant and do not tend to separate as sludge or contribute to the formation of varnish or lacquer.

Mobil Glygoyle SCF lubricants offer the following potential features and benefits:

- Outstanding severe-service performance
- Good thermal stability to control deposit formation
- Exceptional control of sludge, varnish, or lacquer formation
- Good resistance to hydrocarbon dilution
- Good resistance to hydrocarbon wash-off
- Good Water resistance at high temperature (>70°C)

Applications

Mobil Glygoyle SCF is a premium lubricant/coolant designed for process and gas rotary screw compressors. It is recommended for use in sour gas compressor applications where severe heavy hydrocarbon dilution may occur. Mobil Glygoyle SCF fluids are well suited for low specific gravity gas compression in low ambient temperature conditions.

Mobil Glygoyle SCF lubricants are also recommended for use in rotary screw, vane and reciprocating compressors in industrial applications where thermal stress on the lubricant is a concern and high viscosity fluids are required.

Mobil Glygoyle SCF lubricants are designed to be very effective in combating corrosion and promoting long life in sour hydrocarbon gas compressors.

Mobil Glygoyle SCF lubricants are compatible with many common elastomers and seals used in current compressor systems. Compatibility should be checked by consulting the equipment manufacturer.

Typical Properties

| | 100 | 150 | 190 |
|----------------------------------|-------|--------|------|
| Specific Gravity, ASTM D4052 | 1.05 | 1.06 | 1.05 |
| Viscosity @ 40°C, cSt, ASTM D445 | 96.03 | 133.01 | 195 |
| Viscosity @ 100°C, cSt | 17.6 | 26.0 | 35.1 |

| | 100 | 150 | 190 |
|-----------------------------------|-----|-----|-----|
| Viscosity Index, ASTM D2270 | 202 | 232 | 226 |
| Pour Point °C, ASTM D97 | -48 | -42 | -43 |
| Flash Point, C.O.C., °C, ASTM D92 | 218 | 257 | 304 |
| Fire Point, C.O.C., °C, ASTM D92 | 246 | 277 | - |

*The values shown here are representative of current production. Some are controlled by manufacturing specifications, while others are not. All of them may vary within modest ranges.

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office, or via the Internet. 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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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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