

ExxonMobil Mobil Glygoyle 680

Category : Fluid , Lubricant

Material Notes:

Mobil Glygoyle Series lubricants are supreme performance gear, bearing and compressor oils designed to provide outstanding benefits in terms of efficiency, long oil life, and equipment protection. These fully synthetic, polyalkylene glycol (PAG) lubricants were developed for use under operating conditions beyond the capabilities of other synthetic lubricants and mineral oils. Their low pour points ensure excellent low-temperature fluidity. The ISO 150 to 1000 grades are approved for USDA/NSF H-1 food-grade use. The unique formulation is designed to provide: Exceptional EP/antiwear protection for critical equipment components; A high level of micropitting protection for sensitive gear systems; Protection against rust and corrosion in-service; Resistance against foam buildup; Excellent lubricity inherent to this fully synthetic lubricant; Low traction coefficient resulting in increased energy efficiency and reduced bulk oil/system temperatures; Outstanding thermal and oxidative stability to reduce sludge formation and deposits. As with other polyglycol-based lubricants, Mobil Glygoyle Series lubricants are not miscible with mineral oils and most PAO synthetic oils. Mobil Glygoyle Series must not be used as make-up for systems filled with mineral or PAO synthetic oils, nor should mineral or PAO synthetic oils be used as make-up for systems filled with Mobil Glygoyle products. Mobil Glygoyle Series are hygroscopic and do not separate from water. Due to their inherent high specific gravity, water does not drop to the bottom of reservoirs. Mobil Glygoyle 460 is specifically designed for the lubrication of worm gears, especially for heavy-duty, severe service applications, both in food-grade and non food-grade applications. Additionally, the product family has also proven to be excellent lubricants for all types of industrial gears and anti-friction bearing applications under severe service conditions. Due to their unique chemical make up, these oils do not typically leave deposits behind upon reaching oxidative or thermal limitations. This, coupled with the fact that they are not miscible with hydrocarbons (reduced viscosity dilution), makes the lower viscosity grades especially effective in hydrocarbon gas compression applications. The Mobil Glygoyle Series is used for the lubrication of filled for life gearboxes and heavy-duty worm gears, other industrial gearing in a wide variety of applications, lubrication of plain and rolling contact bearings, and most types of compressors. Specific applications include: Filled for life gearboxes, especially high ratio/low-efficiency worm gears; All worm gear applications such as those used in conveyers, escalators, material handling, press drives, packaging machinery, ski lifts, agitators and mixers; Other gear and bearing applications in the cement, metalworking, plastics, food and textile finishing industries; Plastic Calendars; Gas Compression utilizing reciprocation, rotary, screw, and centrifugal type compressors in operating conditions beyond the capabilities of other synthetic lubricants and mineral oils

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Glygoyle-680.php

Physical Properties	Metric	English	Comments
Density	1.076 g/cc	0.03887 lb/in ³	ASTM D4052
Viscosity Measurement	265	265	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	680 cSt	680 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	112.4 cSt	112.4 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
	0.400 mm	0.0157 in	20 kg, 54°C, 1800 rpm, 1 hr; ASTM

Four Ball Wear Mechanical Properties	Metric	English	D4172 Comments
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Thermal Properties	Metric	English	Comments
Pour Point	-33.0 °C	-27.4 °F	ASTM D97
Flash Point	265 °C	509 °F	ASTM D92

Descriptive Properties	Value	Comments
Copper Strip Corrosion	1B	3 hrs @ 100°C
FZG Scuffing, DIN 5182, A/8.3/90, Fail Stage	12+	
Rust Prevention, Distilled Water	pass	ASTM D665A

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