

Mobil Glygoyle® Grease 00

Grease

Product Description

Mobil Glygoyle Grease 00 is a high performance semi-fluid grease designed primarily for the lubrication of gearboxes where long oil life is required. It is formulated from a blend of a synthetic polyglycol fluid and a high quality mineral oil, thickened with a lithium soap. The product has outstanding chemical and thermal stability. Its low coefficient of friction provides superior lubricity that results in improved efficiency and lower operating temperatures. Mobil Glygoyle Grease 00 has excellent load-carrying properties, reducing metal-to-metal contact to a minimum and giving long gear tooth life and smooth, quiet power transmission. It is used in filled-for-life gearboxes and enclosed gear units where maintenance access is difficult.

Features and Benefits

The Mobil Glygoyle brand of lubricants are recognised and appreciated around the world for their innovation and outstanding performance. These molecular design polyglycol synthetic products demonstrate the continuing commitment to using advanced technology to provide outstanding products. A key factor in the development of Mobil Glygoyle Grease 00 is the close contacts between ExxonMobil scientists and application specialists with key Original Equipment Manufacturers (OEMs) to ensure that our product offerings will provide exceptional performance in the continually evolving industrial equipment designs. Mobil Glygoyle Grease 00 offers the following advantages:

Features	Advantages and Potential Benefits
Outstanding chemical and thermal stability	Long product service life and reduced oil-change maintenance costs
Excellent antiwear properties giving less gear tooth wear	Reduced unanticipated downtime due equipment breakage
Low friction coefficient	Reduced power losses and operating temperature
Semi-fluid nature and high structural cohesiveness	Reduced leakage and reduced maintenance costs

Applications

Application Considerations: Mobil Glygoyle Grease 00 is not miscible with mineral oil-based semi-fluid or grease-like products. When refilling a gear unit, which has previously been running on a mineral oil based product, it is recommended that the unit be flushed thoroughly and all traces of the previous lubricant removed before the unit is refilled with Mobil Glygoyle Grease 00. Do not fill the gearbox completely but add to a level about 10 percent above the oil mark. Excessive temperature rise indicates the need to add incremental amounts of Mobil Glygoyle Grease 00 until the temperature stabilises. Mobil Glygoyle Grease 00 is not compatible with conventional paints. The interior of the gearbox should be painted with high quality oil-resistant paint, such as epoxy-based paint. Mobil Glygoyle Grease 00 is recommended as a long life gearbox lubricant for industrial applications where maintenance access is difficult, or where production service demands built-in lubrication for the life of the unit. It meets the lubrication needs of bearings and gears operating at bulk lubricant temperatures up to 120° C and for start-up temperatures as low as -18° C. It is recommended for worm, spur, helical and bevel gearboxes designs. Specific applications include:



- Filled-for-life gear units
- Enclosed industrial gearing where access is difficult and extended maintenance periods are routine
- Enclosed industrial gear units where leakage with fluid lubricants is a particular problem

Typical Properties

Mobil Glygoyle Grease 00	
NLGI Grade	00
Thickener Type	Lithium Hydroxystearate
Color, Visual	Green
Penetration, Worked, 25° C, ASTM D 217 , mm/10	415
Dropping Point, °C, ASTM D 2265	N/A
Viscosity of Oil, cSt @ 40° C, ASTM D 445	180
Rust Protection, Emscor test DIN 51802	0
Timken OK Load, kg, ASTM D 2509	20.4
4-Ball EP Test, DIN 51350-4, Weld Point, N	2000
Load Carrying Capacity, FZG A/8.3/90 DIN 51354-2	>12
Flow Pressure @ -40°C, hPa, DIN 51805	160

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 contract 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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ExxonMobil Lubricants & Specialties

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