



# Mobil Glygoyle Grease 00

## Premium Long Life Industrial Gear Lubricant

### Product Description

Mobil Glygoyle Grease 00 is a premium quality semi-fluid grease primarily intended for the lubrication of gear boxes constructed with "filled for life" features. 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 which results in 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.

### Benefits

Mobil Glygoyle Grease 00 offers the following benefits:

- Long product service life because of outstanding chemical and thermal stability
- Reduced maintenance costs due to excellent antiwear properties giving less gear tooth wear
- Reduced power losses and operating temperature because of low friction coefficient
- Reduced leakage because of semi-fluid nature and cohesiveness

### Applications

Mobil Glygoyle Grease 00 is recommended as a long life gear box 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.

## Changeover Procedure

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 gear box 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 stabilizes.

Mobil Glygoyle Grease 00 is not compatible with conventional paints. The interior of the gear box should be painted with high quality oil-resistant paint, such as epoxy based paint.

## Typical Properties

|                       |                                 | <b>Mobil Glygoyle Grease 00</b> |
|-----------------------|---------------------------------|---------------------------------|
| Product Code          |                                 | 970446                          |
| NLGI Grade            | <b>Test Method</b><br>ASTM D217 | 00                              |
| Thickener Type        | -                               | Lithium                         |
| Structure             | -                               | Smooth                          |
| Color                 | Visual                          | Pale Yellow Golden              |
| Penetration at 25°C   | ASTM D217                       |                                 |
| Worked                |                                 | 425                             |
| Viscosity of Base Oil | ASTM D445                       |                                 |
| cSt at 40°C           |                                 | 120                             |
| Wear Protection       |                                 |                                 |
| 4-Ball Wear           | ASTM D2266                      |                                 |
| Scar Diameter,<br>mm  |                                 | 0.40                            |

|                             |            |      |
|-----------------------------|------------|------|
| 4-Ball Weld Load, Kg        | ASTM D2596 | 160  |
| Rust Protection             |            |      |
| Bearing Rust Test           | ASTM D1743 | Pass |
| Emcor B Rust Test           | IP 220     | Pass |
| Copper Corrosion 24h, 100°C | ASTM D4048 | 1B   |

## Health & Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on this product, including a Material Safety Data Bulletin, is available on request from your local Mobil company.

### **Mobil Oil Corporation**

GLOBAL LUBES DEVELOPMENT

3225 Gallows Road, Fairfax, Virginia 22037-0001

**Mobil Glygoyle Grease 00**

PDS 3092

February 1995 All rights reserved.

Due to continual product research and development, the information contained herein is subject to changes without notification.

**Mobil**®  
The energy  
to make a difference™