

Mobil Glygoyle[®] Series

Severe Duty Synthetic Lubricants

Product Description

Mobil Glygoyle Series oils are polyglycol-based severe duty lubricants. They provide outstanding performance in extreme-temperature gear, bearing and circulation system applications in conditions well beyond the capabilities of mineral oils. They are shear-stable and have outstanding resistance to thermal degradation and the formation of sludge and deposits. They have very high viscosity indices and, being wax-free, have extremely low pour points. Their coefficient of friction is lower than for mineral oils and, with superior lubricity characteristics, they generate lower operating temperatures.

Benefits

Mobil Glygoyle Series lubricants offer the following advantages:

- Increased production because of extended lubricant life, less scheduled and unscheduled downtime
- Lower maintenance costs and replacement expenditure
- Reduced operating temperatures due to improved thermal conductivity and low coefficient of friction
- Lower power consumption and smoother running due to quicker warm-up, low coefficient of friction and excellent low-temperature fluidity
- Reduced gear tooth wear at high temperatures for both steel-on-steel and steel-on-bronze metallurgies
- Reduced operating costs due to less wear, longer seal life, reduced operating temperature and smoother running

Applications

Mobil Glygoyle lubricants are recommended for the most severe conditions in all types of plain and anti-friction bearings and industrial enclosed gears — spur, bevel and worm gears — up to a bulk oil temperature of 200°C. They are endorsed by major plastic calender, paper machine bearing and gear manufacturers.

Mobil Glygoyle lubricants are not miscible with mineral oils and must not be used to top up systems filled with conventional mineral oils, nor must mineral oils be used to top up 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.

Health and Safety

Based on available toxicological information, these products produce 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 these products, including Material Safety Data Sheets, is available upon request from your Mobil lubricants sales office, or via the Internet on www.mobil.com.



Typical Characteristics

| Mobil Glygoyle | Test Method | 11 | 22 | 30 |
|------------------------------|-------------|-------------|--------|--------|
| Product Code | | 970006 | 970135 | 970976 |
| ISO VG | | 100 Approx. | 150 | 220 |
| Viscosity | ASTM D445 | | | |
| cSt at 40°C | | 85 | 161 | 224 |
| cSt at 100°C | | 12.1 | 23.1 | 30.9 |
| Viscosity Index | ASTM D2270 | 137 | 173 | 181 |
| Specific Gravity | ASTM D1298 | 1.009 | 1.007 | 1.006 |
| Flash Point, °C | ASTM D92 | 226 | 229 | 221 |
| Pour Point, °C | ASTM D97 | -45 | -41 | -41 |
| Rust Protection | ASTM D665 | | | |
| Distilled Water | | Pass | Pass | Pass |
| Foam Test | ASTM D892 | | | |
| Sequence I, ml | | 5/0 | 5/0 | 5/0 |
| FZG Gear Test, Failure Stage | DIN 51354 | 12+ | 12+ | 12+ |
| Color | ASTM D1500 | 4.5 | 4.5 | 4.5 |