

Product Description

Mobil Glygoyle HE Series are polyalkyleneglycol based lubricants blended with selected additives. They provide outstanding performance in extreme temperature gear, bearing, circulation systems and gas and refrigerator compressor applications. They will cater for operating conditions beyond the capabilities of mineral oils.

Benefits

Mobil Glygoyle HE Series products offer the following benefits:

- Increased production
- Lower power consumption and smoother running due to quicker warm-up and low coefficient of friction
- Reduced operating temperatures due to improved thermal conductivity and low coefficient of friction
- Reduced maintenance costs, less unscheduled down time, reduced repair and replacement expenditure
- Reduced gear tooth wear at high temperatures for both steel on steel and steel on bronze metallurgies
- Increased efficiency in hydrocarbon gas compressors due to resistance to dilution
- Reduced operating costs due to less wear, longer seal life, reduced operating temperature and smoother running
- Outstanding performance in high temperature gear applications, particularly worm gears

NOTE!

Mobil Glygoyle HE Series are not miscible with mineral oils and must not be used to top up systems filled with conventional mineral lubricants. Neither should mineral oils be used to top up systems filled with Mobil Glygoyle HE Series products.

Applications

Mobil Glygoyle HE Series are recommended for high temperature bearing and circulation systems and for high severity worm and other types of gears up to bulk oil temperature of 200°C. They are endorsed by major manufacturers.

Mobil Glygoyle HE Series are suitable for use in refrigeration compressors where its low pour point, zero wax content, high viscosity index and low refrigerant R12 miscibility can be particularly advantageous.

Mobil Glygoyle HE Series are suitable for hydrocarbon fuel gas compressor applications.

Properties

Mobil Glygoyle HE Series are shear stable, have outstanding resistance to thermal degradation, a very high Viscosity Index and, being completely wax free, an extremely low pour point. They have a lower coefficient of friction than mineral oils, superior lubricity characteristics and generate lower operating temperatures. They also have extremely good load carrying characteristics and provides excellent protection against wear.

Mobil Glygoyle HE Series products degrade by evaporation and produce less deposits than mineral oils in comparable circumstances, thus reducing maintenance expense.

Mobil Glygoyle HE Series provide protection against corrosion in both the liquid and vapour phase and do not suffer dilution in the presence of hydrocarbon gases.

They are compatible with most seal materials but the preferred materials are Viton, Teflon and leather. They will not remove epoxy paints, stove enamels and polyurethane coatings.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Product Characteristics

Mobil Glygoyle	HE 320	HE 460	HE 680
ISO Viscosity Grade	320	460	680
Viscosity, cSt at 40°C	320	460	680
Viscosity, cSt at 100°C	54.6	77.1	114
Viscosity Index	240	252	266
Pour Point, °C	-42	-40	-37
Flash Point, °C COC	290	275	280
Specific Gravity 15°C/4°C	1.049	1.050	1.051
FZG Gear Test Failure Stage	12+	12+	12+

Due to continual product research and development, the information contained herein is subject to change without notice

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

