

### Product Description

Mobil Glygoyle Series are polyglycol based lubricants blended with selected additives. They provide outstanding performance in extreme temperature gear, bearing, circulation systems and gas and refrigerator compressor applications.

They are available in three viscosities - Mobil Glygoyle 11, 22 & 30 - and cater for operating conditions beyond the capabilities of mineral oils. Higher viscosity products are available in the Glygoyle HE Series.

### Benefits

Mobil Glygoyle Series products offer the following benefits:

- 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

### Applications

Mobil Glygoyle Series products are recommended as high temperature bearing and circulation lubricants and as high severity worm and other type gear lubricants up to bulk oil temperature of 200°C. They are endorsed by major, paper machine, bearing and gear manufacturers.

Mobil Glygoyle Series products can be used in refrigeration compressors where their low pour points, zero wax content, high Viscosity Index and low refrigerant R12 miscibility may be advantageous. They are suitable as hydrocarbon fuel gas compressor lubricants.

Glygoyle 11 is particularly suitable for paint oven chains as it is not formulated with silicone additives.

#### NOTE !

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

## Properties

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

Mobil Glygoyle Series products degrade by evaporation and produce less deposits than mineral oils in comparable circumstances. This reduces maintenance expense.

Mobil Glygoyle Series lubricants provide protection against corrosion in both 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 Nitrile, Viton and Teflon ( PTFE ). 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

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<b>Mobil Glygoyle</b>	<b>11</b>	<b>22</b>	<b>30</b>
ISO Viscosity Grade	-	150	220
Viscosity, cSt at 40°C	85.1	161	219
Viscosity, cSt at 100°C	12.1	23.1	30.2
Viscosity Index	137	173	160
Pour Point, °C	-36	-41	-30
Flash Point, °C COC min.	210	210	210
Relative Density 15 °C/4 °C	1.009	1.007	1.006

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

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