

High Quality Automotive Gear Oil

Gear Max HY

90/80W90/85W90/85W140/140



API: GL - 5

Product Description

Gear Max HY is an extreme pressure Gear Lubricant formulated from highly solvent refined base oils and special Sulphur Phosphorous additives are recommended for use in automotive manual gear applications. They are ideally recommended for hypoid gear applications where loading is severe and excellent gear protection is required.

Benefits

Gear Max HY provides the following benefits when used as recommended:

- Multifunctional gear oil based on sulphur – phosphorous chemistry enables extreme pressure characteristics and high thermal stability
- Excellent protection against rust and corrosion
- Very good thermal stability
- Compatible with seal materials
- Excellent protection against wearing and scoring produced by high speed and heavy loads
- Excellent load carrying capacity and good antifoam properties

Application

It is recommended for automotive hypoid gear differentials operating under high speed, low speed, high torque conditions, where GL-5 performance gear oil are required or permitted.

Also recommended for Heavy-Duty, no synchronized manual transmissions where API:MT-1 performance gear oils are specified and automotive steering gears where GL-5 performance gear oils are permitted.

Properties

It is a thermally stable, clean gear technology gear oil, incorporating additional dispersant chemistry in its additive package to suspend any sludges and carbonaceous deposits form, and prevent their deposition on oil seals, gears and critical yellow metal components of transmission.

Typical Characteristics

| Gear Max HY | 90 | 80W90 | 85W90 | 140 | 85W140 |
|--------------------------|--------|--------|--------|--------|--------|
| Grade | GL-5 | GL-5 | GL-5 | GL-5 | GL-5 |
| Specific Gravity @ 15°C | 0.9015 | 0.8880 | 0.8905 | 0.9035 | 0.9010 |
| Flash Point, °C | 225 | 220 | 220 | 235 | 230 |
| Pour Point, °C | -12 | -21 | -24 | -12 | -18 |
| Viscosity at 40°C , cSt | 210 | 150 | 210 | 460 | 410 |
| Viscosity at 100°C , cSt | 17.5 | 14.4 | 17.5 | 30.5 | 28.5 |
| Viscosity Index | 98 | 99 | 98 | 98 | 98 |

Credentials & Specifications

API: GL-5
MACK GO- Approval
MIL-L – 2105B, MIL-L-2105C , MIL-L-2105D

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

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Emarat lubricants sales office, or via the Internet on www.emarat.ae