

Product Description and Application

Mobilube HD Series oils are heavy duty multipurpose gear oils made from solvent refined paraffinic base oils and sulphur/phosphorus extreme pressure additives. These products are formulated to provide exceptional high temperature chemical stability to prevent the formation of deleterious oxidation products. The additive package is extremely effective in reducing tooth wear under the most arduous operating conditions. They have very good resistance to foaming and protect metallic surfaces against staining, rust and other corrosion.

Mobilube HD Series oils give a broad based range of performance and provide protection against high speed shock loading as well as low speed high torque service for off the road type vehicles. They are suitable for all spur, helical, spiral, bevel and hypoid gear applications in commercial vehicles, passenger car and contracting equipment thus reducing inventories.

Mobilube HD Series oils are primarily recommended for enclosed commercial vehicle and passenger car gear type transmissions and spiral bevel and hypoid drive axles operating within a very wide bulk oil temperature range - providing recommended oil change procedures are followed. They are also recommended for gear sets in contractor equipment requiring a multipurpose type gear lubricant. They are suitable for other applications demanding the use of sulphur/phosphorus EP type lubricants.

Whilst Mobilube C lubricants are usually recommended for worm gear final drives, Mobilube HD Series oils can be used at bulk oil temperatures below 100°C.

Mobilube HD Series oils are not suitable for use in automatic or semi-automatic transmissions for which engine oils or special fluids are recommended.

Benefits

Mobilube HD Series oils offer the following benefits:

- High level of wear protection under high speed, high torque and shock loading conditions
- Good protection against rust and corrosion in wet operating conditions
- Very good resistance to high temperature oxidation and chemical deterioration
- Compatible with all elastomers normally encountered in commercial vehicle and passenger car applications
- Long service life increases vehicle and plant earning capacity
- Reduced wear and scoring of both gears and bearings cuts repair and maintenance costs
- Reduced maintenance cost and improved operating efficiency lead to increased operating profit

Specifications

Mobilube HD Series oils exceed the performance requirements of the following specifications :

API-GL-5 (Multi-purpose Type)

In addition Mobilube HD 85W-90 A is approved to :

- MAN 342 N
- Mercedes Benz MB 235.0
- ZF TE-ML 01, 05 and 07

Health and Safety

Based on available toxicological information, it has been determined that these products pose 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.

Typical Characteristics

Mobilube HD	80W-90	85W-90 A	85W-140
SAE Viscosity Grade	80W-90	85W-90	85W-140
Viscosity, cSt at 40°C	130	190	445
Viscosity, cSt at 100°C	14	17	29
Channel Point, °C max.	-33	-18	-9
Flash Point, °C min. COC	190	210	196

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

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