



Mobilube HD 80W-90, 85W-140

Mobil Commercial Vehicle Lube , Singapore

Heavy Duty Automotive Gear Lubricants

Product Description

Mobilube HD 80W-90 and 85W-140 are high performance, heavy duty gear lubricants formulated from high performance base oils and an advanced additive system. These lubricants are engineered for automotive applications including heavy duty axles and final drives where extreme pressures and shock loading are expected. They are recommended by ExxonMobil for applications where API GL-5 service is required.

Features and Benefits

Today's heavy equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, and heavier loads require improved formulations to maximise equipment life and optimise operating costs. Longer service intervals place additional demands on the gear lubricant requiring effective basestock and additive systems. Mobilube HD Series of gear lubricants are engineered to meet these challenges. The key benefits include:

| Features | Advantages and Potential Benefits |
|--|---|
| Exceptional thermal stability and resistance to high temperature oxidation | Extended gear and bearing life due to minimal deposits Longer seal life |
| Outstanding protection against low speed/high torque wear and against high speed scoring | Increased load carrying capability Reduced maintenance costs and longer equipment life |
| Excellent rust and corrosion protection | Reduced wear and longer component life |
| Effective low temperature lubrication | Improved startability |
| Compatible with typical automotive seals and gaskets | Minimum leakage and reduced contamination |

Applications

Recommended by ExxonMobil for use in:

- Heavy duty axles and final drives requiring API GL-5 level performance
- Passenger cars, on highway light and heavy duty trucks and commercial vehicles
- Off highway industries including: construction, mining, quarrying, and agriculture
- Other heavy duty industrial and automotive applications involving hypoid gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque prevail

Specifications and Approvals

| Mobilube HD Gear Oils meet or exceed the requirements of the following industry specification: | 80W-90 | 85W-140 |
|--|--------|---------|
| API GL-5 | X | X |

Typical Properties

| Mobilube HD Properties | 80W-90 | 85W-140 |
|------------------------|--------|---------|
| SAE Grade | 80W-90 | 85W-140 |
| Viscosity, ASTM D 445 | | |

| Mobilube HD Properties | 80W-90 | 85W-140 |
|----------------------------------|--------|---------|
| cSt @ 40°C | 136 | 328 |
| cSt @ 100°C | 14.5 | 25.3 |
| Viscosity Index, ASTM D 2270 | 105 | 97 |
| Pour Point, °C, ASTM D 97 | -30 | -18 |
| Flash Point, °C, ASTM D 92 | 202 | 224 |
| Density @ 15°C kg/l, ASTM D 4052 | 0.90 | 0.91 |

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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