



Mobilube™ HD LS 80W-90

Mobil Commercial Vehicle Lube , Caribbean

Limited-Slip Gear Lubricant

Product Description

Mobilube HD LS 80W-90 is an extra high performance, automotive lubricant formulated from select base oils and an advanced additive system specifically for limited-slip differentials. This lubricant is engineered for performance in heavy duty limited-slip differentials, axles, and final drives where extreme pressures and shock loading are expected providing API GL-5 level performance. Mobilube HD LS 80W-90 provides exceptional chemical and thermal stability at elevated bulk oil temperatures.

Features and Benefits

Today's truck and car equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, heavier loads, and limited-slip capability require improved formulations to maximise differential life and optimise performance. Longer service intervals place additional demands on the gear lubricant. Mobilube HD LS 80W-90 gear lubricant is engineered to meet these challenges. The key benefits include:

| Features | Advantages and Potential Benefits |
|--|---|
| Excellent frictional properties | Effective limited-slip performance |
| Good thermal stability and resistance to high temperature oxidation | Extended gear and bearing life due to minimal deposits and longer seal life |
| Outstanding protection against low speed/high torque wear and against high speed scoring | Increased load carrying capability reducing operating costs |
| Effective low temperature lubrication | Reduced wear and ease of start-up |
| Excellent rust, staining, and corrosion protection | Reduced wear and maintenance costs |
| Good resistance to foaming | Maintains film strength for reduced wear |
| Compatible with typical automotive seals and gaskets | Minimum leakage and reduced contamination |

Applications

Recommended by ExxonMobil for use in:

- Limited-slip differentials, axles, and final drives requiring API GL-5 level performance
- Passenger cars, on highway passenger light and heavy duty trucks, busses and vans
- Off highway industries including: construction, quarrying, and agriculture
 - Other industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Mobilube HD LS 80W-90 gear lubricant is intended for initial fill, topping-off, and refill of enclosed automotive type gearing where SAE 80W-90 limited-slip gear lubricants are recommended
- Do not use in transmissions or transaxles for which engine oil or automatic transmission fluids are recommended

Specifications and Approvals

This product meets or exceeds the requirements of:

API GL-5

Properties and Specifications

| Property | |
|--|------------|
| Grade | SAE 80W-90 |
| Density @ 15.6 C, g/ml, ASTM D4052 | 0.9 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 14.8 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 141 |
| Pour Point, °C, ASTM D97 | -30 |
| Viscosity Index, ASTM D2270 | 105 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 230 |

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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