Mobilube™ HD LS 80W-90

Mobil Commercial Vehicle Lube , Canada

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, mm2/s, ASTM D445	14.8
Kinematic Viscosity @ 40 C, mm2/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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Imperial Oil

Petroleum and Chemicals Division
Lubricants and Specialties
240 Fourth Ave SW
C. P. 2480, Station M
Calgary AB T2P 3 M 9

1-800-268-3183

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 Imperial Oil contact or visit www.imperialoil.ca
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