Mobilube™ LS 85W-90

Mobil Commercial Vehicle Lube , United Kingdom

Limited-Slip Gear Lubricant

Product Description

Mobilube LS 85W-90 is an extra high performance, automotive gear lubricant formulated from select base oils and an advanced additive system specifically for limited-slip differentials. This lubricant is recommended by ExxonMobil for use in applications requiring API GL-5 performance such as heavy duty differentials, axles, and final drives where extreme pressures and shock loading are expected.

Features and Benefits

Today's truck and automotive 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 LS 85W-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
Protects against low speed/high torque wear and against high speed scoring	Increased load carrying capability reducing operating costs
Excellent rust, staining, and corrosion protection	Reduced wear and maintenance costs
Effective low temperature lubrication	Reduced wear and ease of start-up
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 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
- Initial fill, top-up, and refill of enclosed automotive type gearing where SAE 85W-90 limited-slip gear lubricants are recommended
- Not intended for transmissions or transaxles for which engine oil or automatic transmission fluids are recommended

Specifications and Approvals

This product has the following approvals:

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ZF TE-ML 05C
ZF TE-ML 16E
ZF TE-ML 21C

This product is recommended by ExxonMobil for use in applications requiring:
ZF TE-ML 12C

This product meets or exceeds the requirements of:
API GL-5

Properties and Specifications

Property	
Grade	SAE 85W-90
Density @ 15 C, kg/l, ASTM D1298	0.90
Flash Point, Cleveland Open Cup, °C, ASTM D92	216
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	153
Pour Point, °C, ASTM D97	-36
Viscosity Index, ASTM D2270	100

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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You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.mobil.co.uk/en-gb/contact-us-technical

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http://www.exxonmobil.com

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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