



## Mobilube™ LS 85W-90

Mobil Commercial Vehicle Lube , French Polynesia

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 12C

ZF TE-ML 16E

ZF TE-ML 21C

**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              | 204        |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 15.3       |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 157        |
| Pour Point, °C, ASTM D97                                   | -36        |
| Viscosity Index, ASTM D2270                                | 98         |

**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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