

Product Data Sheet

Mobilube LS 85W-90 Limited Slip Differential Axle Lubricant

Product Description and Application

Mobilube LS 85W-90 is a limited slip differential lubricant made from solvent refined paraffinic base oils containing extreme pressure additives. It is formulated to meet the service requirements of gears, particularly hypoid, in passenger cars and commercial vehicles operating under high speed, low torque conditions. It has excellent resistance to foaming and protects metallic surfaces against staining, rust and corrosion.

Mobilube LS 85W-90 is suitable for enclosed commercial automotive and passenger car drive axles operating at bulk oil temperatures up to 100°C, provided recommended oil change procedures are followed. Utilising carefully selected friction modifying materials is particularly recommended for use in vehicles where limited slip differentials are fitted as traction aids.

Mobilube LS 85W-90 is primarily designed for automotive axles. However, it may be used in gearboxes and industrial applications where API GL-5 wear protection and frictional qualities of limited slip gear oils are required.

Benefits

Mobilube LS 85W-90 offers the following benefits:

- Very good wear protection, even under severe load conditions
- Controlled and continuous frictional properties
- Defined frictional properties to avoid wear and squawk noise
- Compatibility with seal materials used by axle manufacturers

Specifications

Mobilube LS 85W-90 meets the following performance requirements:

- API GL-5

It is also approved against:

- ZF TE-ML-05C (rear axles for off-road vehicles) and
- ZF TE-ML-12C (axles for cars, commercial vehicles and buses)

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Mobilube LS 85W-90

SAE Viscosity Grade	85W-90
Viscosity at 40°C, cSt	153
Viscosity at 100°C, cSt	15.3
Brookfield Viscosity at -12°C, cP	12,500
Pour Point, °C	-36
Flash Point COC, °C	216

Due to continual product research and development, the information contained herein is subject to change without notice.

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

