

Mobilube SHC LS 75W-90

Supreme Performance Commercial Gear Lubricant

Product Description

Mobilube SHC LS 75W-90 is a supreme performance commercial gear lubricant formulated from synthetic base oils and an advanced additive system. It is designed for use in heavy-duty drivetrains, including limited-slip differentials, and provides excellent load-carrying capability in axles and final drives where extreme pressures and shock loading are expected. Mobilube SHC LS 75W-90 provides optimum thermal and oxidation stability, inherently high Viscosity Index (VI), extremely low pour point, and low-temperature fluidity.

The engineering behind Mobilube SHC LS 75W-90 delivers outstanding viscosity-temperature properties necessary for wide temperature range applications, optimised protection against thermal degradation and oxidation, wear and corrosion, shear stability, extended service capability, and fuel economy. It is formulated to provide an inherently high viscosity index with the latest technology synthetic base oils to provide stronger film strength at higher temperatures than mineral oils without the addition of VI improvers. This technology also insures effective lubrication since this product remains fluid without channelling at subzero temperatures. Mobilube SHC LS 75W-90 meets the API GL-5 level performance.

Features & Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty on and off-highway equipment of load, torque, speed, control and reliability through innovative drivetrain designs. These designs have changed and increased the requirements of drivetrain fluids to deliver higher performance including limited-slip capability, increased productivity, and reduced operating costs. For heavy-duty final drives, friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and seal protection are features that must be optimally balanced to provide extended gear and seal life, smooth operation, fuel economy and high load high torque capability over a wide range of applications. Mobilube SHC LS 75W-90 is engineered to deliver exceptional performance and lowest total lubrication-related operating costs in modern heavy-duty final drives requiring limited-slip capability. The key benefits include:

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits Longer seal life
Outstanding protection against low speed/high torque wear and high speed scoring	Increased load-carrying capability. Reduced maintenance costs and longer equipment life
Exceptional shear stability	Retains viscosity and film strength under severe operating conditions to prevent wear
Excellent rust, staining, and corrosion protection of copper and its alloys	Reduced wear and longer component life
Enhanced frictional properties	Improved fuel economy and reduced operating costs
Outstanding low temperature fluidity versus mineral oils	Reduced wear and ease of start up
Widest multipurpose capability	Reduced number of gear lubricants to simplify inventory and minimise misapplication
Good resistance to foaming	Maintains film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination



Applications

- Heavy-duty manual transmissions, axles, final drives, and limited-slip differentials requiring API GL-5 performance
- On-highway light and heavy-duty trucks, busses, and vans
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial gear drives including hypoid and worm 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 or refill of differentials, final drives, transfer cases and other gear applications where lubricants meeting API GL-5, multipurpose, or automotive-type extreme pressure gear lubricants are recommended
- Recommended for equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to sub-zero temperatures
- Use as a companion with Mobiltrans SHC 50 in transmissions for maximum drive train life, efficiency, and fuel economy improvement
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for automatic, manual, or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended.
- Where extended service intervals and warranties are required

Specifications & Approvals

Mobilube SHC LS 75W-90 meets or exceeds the following industry specification:

API GL-5

Typical Properties

Mobilube SHC LS 75W-90

SAE Grade	75W-90
Viscosity, ASTM D 445	
cSt @ 40°C	107
cSt @ 100°C	15.2
Viscosity Index, ASTM D 2270	149
Pour Point, °C, ASTM D 97	-46
Flash Point, °C, ASTM D 92	175
Density @ 15°C kg/l, ASTM D 4052	0.89

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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ExxonMobil Lubricants & Specialties

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