Mobil

Mobilube™ Syn LS 75W-90

Mobil Commercial Vehicle Lube , Germany

Fully Synthetic Limited Slip Gear Lubricant

Product Description

Mobilube Syn LS 75W-90 is a fully synthetic, limited-slip gear lubricant that been formulated from synthetic base oils and an advanced additive system. It is designed for use in light and heavy duty drivetrains, it provides excellent load-carrying capability in axles and final drives where extreme pressures and shock loading are expected Mobilube Syn LS 75W-90 provides outstanding thermal and oxidation stability, high Viscosity Index (VI), extremely low pour point, and low-temperature fluidity. Mobilube Syn LS 75W-90 is suitable for service fill use in many limited-slip hypoid differentials.

Features and 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 Syn LS 75W-90 is engineered to deliver exceptional performance and low total lubrication-related operating costs in many modern heavy duty final drives requiring limited-slip capability. The key potential benefits include:

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Long gear and bearing life due to minimal deposits
	Long seal life
Outstanding protection against low speed/high torque wear and high speed scoring	Increased load-carrying capability.
	Contribution to reduced maintenance costs and long equipment life
Exceptional shear stability	Retains viscosity and film strength under severe operating conditions to help prev ent wear
Enhanced frictional properties	Helps to improve fuel economy and reduce operating costs
Outstanding low temperature fluidity versus mineral oils	Contribution to reduced wear and ease of start up
Good resistance to foaming	Maintains film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy duty manual transmissions, axles, final drives, and service-fill application in many 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
- 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.

Properties and Specifications

Property	
Grade	SAE 75W-90
Density @ 15 C, g/cm3, ASTM D4052	0.88
Flash Point, Cleveland Open Cup, °C, ASTM D92	214
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.0
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	94.2
Pour Point, °C, ASTM D97	-48
Viscosity Index, ASTM D2270	153

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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03-2021
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You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.mobil.com.de/de-de/kontakt

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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