

Mobil 1 Synthetic Gear Lubricant LS 75W-90

Supreme Performance Synthetic Multi-Purpose Automotive Gear Lubricant

Product Description

Mobil 1 Synthetic Gear Lubricant LS is a supreme performance, synthetic, multi-purpose, SAE 75W-90 automotive gear lubricant designed to meet the highest level performance requirements of modern passenger vehicles in all types of operating conditions including limited slip applications, as well as, deliver outstanding power transfer performance. Compared to conventional hypoid gear lubricants, Mobil 1 Synthetic Gear Lubricants LS 75W-90 performs exceptionally over a wide range of temperatures. Mobil 1 Synthetic Gear Lubricant LS 75W-90 achieves this through a unique proprietary formulation, that deliver optimized viscosity-temperature properties together with the highest level of inherent formulation stability and protects against thermal and oxidative degradation, wear and corrosion, viscosity loss associated with premature shearing. It also can be used in extended service and for aiding in fuel economy performance.

Mobil 1 Synthetic Gear Lubricant LS 75W-90 meets the most severe API Service MT-1 and GL-5 EP gear oil service classification.

Features & Benefits

Mobil 1 Synthetic Gear Lubricant LS 75W-90 combines wax-free synthesized hydrocarbon base oils and a specially designed extreme-pressure, limited-slip, sulfur-phosphorous additive system to provide a significantly higher level of performance in rear axles and differentials versus conventional fluids. Greater film strength at higher operating temperatures, reduced fluid friction and low-temperature application down to -50°C provides significant advantages versus conventional mineral oil formulations. It reduces wear and spalling under the high speed, high torque and high horsepower conditions in competitive racing and high performance automobiles. This unique, high technology final drive gear lubricant has demonstrated outstanding performance including; fuel economy, extended drain, long-term friction retention, low-temperature capability and improved differential/axle durability and cleanliness. Key features and 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 Potential extended oil drain/service intervals
Outstanding protection against low speed/high torque wear and against high speed scoring	Capability to handle the severest driving conditions while delivering smooth efficient and reliable performance
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 Longer component life
Enhanced frictional properties	Improved fuel economy and reduced operating costs
Outstanding low temperature fluidity versus mineral oils	Reduced wear at start up and ease of start up even in arctic conditions
Good resistance to foaming	Maintains film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination
Excellent limited-slip performance	Reduced chatter and improved traction

Applications

- Mobil 1 Synthetic Gear Lubricant LS 75W-90 is recommended for use in modern high performance automobiles like SUV's, Vans and Light duty trucks requiring API GL-5 & MT-1 level performance
- Mobil 1 Synthetic gear Lubricant LS 75W-90 is intended for initial fill, topping-off or refilling differentials, final drives, transfer cases and other gear applications where lubricants meeting API Service GL-5 and multi-purpose or mild EP gear lubricants are recommended
- Mobil 1 Synthetic Gear Lubricant LS 75W-90 can also be used in rear axles where API Service GL-4 lubricant is recommended
- Not recommended 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

Mobil 1 Synthetic Gear Lubricant LS meets or exceeds the following industry specifications:	75W-90
API GI-5/MT-1	X

ExxonMobil Lubricants & Specialties

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Typical Properties

Mobil 1 Synthetic Gear Lubricant LS	
SAE Grade	75W-90
Viscosity, ASTM D 445	
cSt @ 40°C	106
cst @ 100°C	15.2
Viscosity Index, ASTM D 2270	150
Pour Point, °C, ASTM D 97	-46
Flash Point, °C, ASTM D 92	175
Density@15C kg/l, ASTM D 4052	0.859

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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