Mobil 1™ Syn Gear Lube LS 75W-140

Mobil Passenger Vehicle Lube , Guyana

High Performance Synthetic Multi-Purpose Automotive Gear Lubricant

Product Description

Mobil 1™ Syn Gear Lube LS 75W-140 is a high performance, synthetic, multi-purpose, automotive gear lubricant designed to help meet the highest level performance requirements of many modern passenger vehicles in all types of operating conditions, from mild to severe, including limited slip applications, as well as deliver outstanding power transfer performance. Compared to conventional hypoid gear lubricants, Mobil 1 Syn Gear Lube LS 75W-140 performs exceptionally over a wide range of temperatures. Mobil 1 Syn Gear Lube LS 75W-140 achieves this through a unique proprietary combination of synthetic baseoils and a precisely balanced additive system that helps to deliver optimized viscosity-temperature properties together with the highest level of inherent formulation stability. It also helps to protect against thermal and oxidative degradation, wear and corrosion, viscosity loss associated with premature shearing.

Features and Benefits

Mobil 1 Syn Gear Lube LS 75W-140 combines wax-free synthesized hydrocarbon base oils and a specially designed extreme-pressure, limited-slip, sulfur-phosphorous additive system to help 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 significant advantages versus conventional mineral oil formulations. It helps to reduce wear and spalling under the high speed, high torque and high horsepower conditions in many sport utility vehicles, vans, light trucks, and cars. This unique, high technology final drive gear lubricant has demonstrated outstanding performance including long-term friction retention, excellent viscosity stability and improved differential/axle durability and cleanliness. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Helps to extend gear and bearing life due to minimal deposits Long seal life Potential extended oil drain/service intervals
Outstanding protection against low speed/high torque wear and against high speed scoring	Capability to handle some of the severest driving conditions while delivering smooth efficient and reliable performance
Exceptional shear stability	Helps to retains viscosity and film strength under severe operating conditions to prevent wear
Excellent rust, staining and corrosion protection of copper and its alloys	Helps to reduce wear Longer component life
Enhanced frictional properties	Helps to improved fuel economy and reduce operating costs
Outstanding low temperature fluidity versus mineral oils	Helps to reduce wear at start up and ease of start up even in arctic conditions
Good resistance to foaming	Helps to maintain film strength for reliable lubrication
Compatible with typical automotive seals and gaskets	Helps to minimize leakage and reduce contamination
Excellent limited-slip performance	Helps to reduce chatter and improve traction

Applications

- Mobil 1 Syn Gear Lube LS 75W-140 is recommended for use in modernigh performance vehicles like sport utility vehicles, vans and light duty trucks requiring API GL-5 performance that require excellent durability

- Mobil 1 Syn Gear Lube LS 75W-140 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 Syn Gear Lube LS 75W-140 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
- Recommended for many limited slip applications. For certain high level LS applications, additional limited slip additive may be required if axle chatter is observed.

Specifications and Approvals

This product meets or exceeds the requirements of:
API GL-5

Properties and Specifications

Property	
Grade	SAE 75W-140
Density @ 15.6 C, g/cm3, ASTM D4052	0.872
Flash Point, Cleveland Open Cup, °C, ASTM D92	207
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	24.4
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	170
Pour Point, °C, ASTM D97	-48
Viscosity Index, ASTM D2270	175

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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11-2025

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