



Gulf Gear LS

Limited-Slip Differential Gear Oil

Product Description

Gulf Gear LS is an extra high-performance extreme pressure type automotive gear lubricant specially developed for use in modern high-performance passenger cars, sports utility vehicles, vans and light-duty trucks with limited slip differentials. It is blended from selected high-quality base oils and advanced performance additives to provide exceptional protection against thermal degradation, component wear and oil seal deterioration for extended service life. The special friction modifier used in this oil helps in reducing chatter and improving traction, besides retaining the frictional properties for longer service life. It also offers effective protection against oxidation degradation and rust & corrosion. It exceeds the requirements of API GL-5/MT-1, MIL-PRF-2105E, SAE J 2360 and various global equipment manufacturers.

Features & Benefits

- Outstanding thermo-oxidative stability prevents formation of deposits to offer extended gear, bearing and seal life and longer service life
- Exceptional load-carrying capability protects against shock loading and wear under different speed-load conditions to enhance equipment durability and reduce maintenance costs
- Excellent limited slip performance reduces chatter and improves traction
- Effective rust and corrosion protection reduces wear and extends component life
- Good low-temperature fluidity reduces wear and provides easy start-up under low ambient temperatures
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility helps minimize leakages and reduce chances of contamination

Applications

- Limited-Slip differentials of modern high-performance passenger cars, sports utility vehicles, vans and light-duty trucks requiring API GL-5/MT-1 quality oils
- Heavy-duty non-synchronized manual transmissions, axles and final drives where API GL-5/ MT-1 quality oils are specified
- Not recommended for automatic transmissions

Specifications, Approvals & Typical Properties

Meets the following Specifications		80W-90
API GL-5		X
API MT-1, US MIL-PRF-2105E, Mack GO-J		X
US MIL-L-2105D		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity at 100 °C, cSt	D 445	15.00
Viscosity Index	D 2270	100
Flash Point, °C	D 92	210
Pour Point, °C	D 97	-27
Density @ 15°C, kg/l	D 1298	0.895

Gulf Lubricants Inc., USA, July 2026

Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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