

Product Data Sheet

KORLUBE® LS 80W-90 SYNTHETIC

Synthetic Heavy Duty Gear Lubricant

Product Description

KORLUBE® LS 80W-90 SYNTHETIC is a synthetic heavy duty gear lubricant, specially formulated to meet the highest level performance requirements of many modern heavy duty vehicles with limited-slip or conventional differentials. It is designed for use in heavy duty drive trains where heavy and shock load and extreme pressure are expected.

It is produced with the latest technology in synthetic base oils and advanced additives providing significant advantages over conventional mineral gear oils. It performs exceptionally over a wide temperature range. It also has excellent high-temperature thermal and oxidation stability, wear and corrosion protection, shear stability, extended service capability and excellent fuel economy.

Features & Benefits

HIGH PERFORMANCE

- Excellent protection against low speed/high torque wear and high speed scoring increases load-carrying capability while delivering smooth and reliable performance.
- Outstanding low temperature performance helps to start-up easier even at a very low temperature.
- Enhanced friction properties provides smooth gear performance.
- Excellent thermal and oxidation stability keeps gear clean to help provide outstanding performance even under severe driving conditions.
- Outstanding resistance to foaming helps to maintain film strength for reliable lubrication.
- Excellent limited-slip performance helps to reduce chatter and improve traction.

HIGH PROTECTION

- Excellent low-temperature fluidity helps to provide immediate protection at engine start-up, specially in cold weather.
- Good compatibility with typical automotive seals and gaskets helps to minimize leakage and reduce contamination.

LONG GEAR LIFE

- Excellent wear protection under low speed / high torque helps to extend gear life.
- Outstanding rust and corrosion protection of copper help to extend gear life.
- Enhanced friction properties help to extend gear life.
- Excellent thermal, oxidation and shear stability help to extend gear life.

LONG OIL LIFE

- Excellent oxidation and thermal stability helps to extend oil life.
- Outstanding shear stability helps to keep viscosity and film strength even under severe conditions.

SAVE FUEL

- Enhanced friction properties help to consume less fuel.
- Excellent low temperature fluidity helps to consume less fuel.

Applications

- Heavy duty manual transmissions, axles and final drives requiring API GL-5 and MT-1 performance
- Recommended for both of limited-slip and conventional differentials.
- On-highway heavy duty and light trucks, buses and vans
- Off-highway equipments including construction, mining, quarrying, agriculture and forestry
- Other heavy duty industrial gear drives including hypoid and worm gears operating under heavy-duty and severe conditions.
- Differentials, final drives, transfer cases and other gear applications requiring API GL-5, SAE J2360 (MIL PRF-2105E) and EP gear lubricants.
- Equipments such as which reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperature
- NOT recommended for applications requiring API GL-4 level performance.
- NOT recommended for automatic, manual or semiautomatic transmissions where engine oils or automatic transmission fluids are recommended.

Specifications

KORLUBE® LS 80W-90 SYNTHETIC meets or exceeds the requirements of the following specifications :

	LS 80W-90 SYNTHETIC
API GL-5, MT-1	√
MERITOR 076D	√
FORD WSP-M2C197-A	√
SCANIA STO 110	√
MACK GO-J	√
SAE J2360 (MIL PRF-2105E)	√
Drain-and-fill or Top-off limited-slip service	√
Axle wear protection under the high temperature conditions demanded by passenger car OEMs for towing and off-road applications	√

Typical Properties

	LS 80W-90 SYNTHETIC
API	GL-5, MT-1
Viscosity @100°C, cSt	15.1
Viscosity @40°C, cSt	139
Viscosity Index	110
Flash Point, °C	232
Pour Point, °C	- 30
Density @15°C, g/cm3	0.880

Health & Safety

This product is not expected to produce adverse effect on health when used for the intended application and recommendations. Do not use for the purpose other than its intended application. When disposing of used product, please take care to protect the environment.