



Geartex® LS

"Limited Slip" Automotive Gear Oil

Product Data Sheet

Customer benefits

- **Quiet, shudder-free operation**
Special friction modifier system provides excellent lubricity characteristics for smooth, non-stick/slip engagement and disengagement of limited slip differential plate clutches.
- **Long gear life**
Effective EP additives control gear tooth wear, even under high torque, low speed and shock loading conditions. Rust and corrosion inhibitors prevent component damage by water condensation or contamination.

Applications

- Geartex LS is specifically designed for use in automotive limited slip differential drive axles. The special friction modifier additive included in the formulation is approved by ZF for use in their limited slip systems. It also meets the requirements for ArvinMeritor limited slip axles.
- Geartex LS may also be used in equipment requiring a standard API GL-5 gear lubricant: hypoid drive axles, steering systems. The friction characteristics of Geartex LS makes it unsuitable for use in synchronized manual transmissions and transaxles, and it should not be used in these applications unless an API GL-5 fluid is specifically recommended.
- Operating temperatures of above 100°C will lead to a significant reduction in the fluid service life. Peak operating temperatures should not exceed 120°C.
- Geartex LS is not recommended for use in wet brake systems. These applications generally require products with a higher degree of friction modification, and may also generate higher temperatures than Geartex LS can withstand. Use Textran TDH Premium in these applications.

Note: Appearance of product can turn hazy at temperatures below 5°C. This is due to the presence of friction modifier additives needed in limited slip differential mechanisms. Hazy appearance will not affect lubricant performance.

Product features:

High performance, EP automotive gear oil specifically designed for "limited slip" rear drive differentials, and conforms to API GL-5 service designation.

Its special friction properties help to provide smooth, noise free operation and extended life of multiplate clutches in limited slip differentials (LSDs).

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Performance Standards

Geartex LS SAE 85W-140 meets the requirements of:

- API GL-5
- ZF TE-ML 05C, 12C, 16E, 21C (Approval no. ZF001686)
- John Deere JDM J11F

Key Properties

GEARTEX LS	RESULTS
SAE Grade	85W-140
Product Code	510331
Density, 15°C, kg/l	0.907
Pour Point, °C	-15
Flash Point, COC, °C	214
Viscosity, Kinematic	
mm ² /s @ 40°C	325
mm ² /s @ 100°C	25.0

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltexoils.com.

For more information, go to www.chevronlubricants.com

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