



Gear Oil ZF

"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 of condensation or contamination.

Applications

- ZF limited slip differentials, including those with hypoid gears, as fitted to cars, trucks and buses and off-highway equipment.
- Other limited-slip differentials where oils meeting ZF TE-ML 05C, and 21C are specified.

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, particularly those of ZF design with multiplate clutches. Its special friction properties help to provide smooth, noise free operation of and extended life of these units.



Typical key properties

GEAR OIL ZF	
SAE Grade	80W-90
Product Code	510310
Pour Point, °C	-30
Viscosity,	
mm ² /s @ 40°C	147
mm ² /s @ 100°C	15.0
Viscosity Index	102

Minor variations in product typical test data are to be expected in normal manufacturing.

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Performance standards

- API GL-5 (self-certified)
- ZF (approved):
 - TE-ML 05C
 - TE-ML 21C
- John Deere JDM J11F (self-certified)

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.caltex.com.

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 Global Lubricants
– Asia Pacific