



Hypoid LD

Extreme Pressure, "Long Drain" Automotive Gear Oil

Product Data Sheet

Customer benefits

Extended oil drain intervals

Special frictional properties significantly lower axle running temperatures for cooler operation and less heat stress on the oil. Thermally stable EP system provides improved protection against pitting and wear, enabling extended drain capability compared with alternative technology oils.

Associated fuel savings

Special frictional properties give rise to improved axle efficiency with demonstrated fuel economy benefits under controlled conditions.

Long gear life

Thermally stable EP system limits corrosion of copper-containing bearings and bushings and provides improved steel pitting protection under severe conditions. The EP system also provides superior anti-wear protection of gear teeth, even under low speed, high torque and shock loading conditions.

Low environmental impact

Very low chlorine content reduces the environmental impact of ultimate disposal. Extended drain capability potentially lessens quantity of used oil requiring disposal.

Applications

- Rear axles and other components of Mercedes-Benz, MAN and other European heavy-duty vehicles for both normal and long drain service
- Other automotive hypoid and spiral bevel drive axles for which API GL-5 oils are specified

Product features:

- **Hypoid LD** is a premium performance, multipurpose, EP automotive gear lubricant specifically designed to meet Mercedes-Benz Sheet 235.6 requirements for "long drain" service in heavy-duty vehicle axles.
- **Hypoid LD** is also suitable for many other drive axle applications for which API GL-5 gear lubricants are specified.

Product specifications

HYPOID®LD KEY PROPERTIES	
SAE Grade	85W-90
Product Code	510321
Pour Point, °C	-27
Timken OK Load, kg	25
Viscosity,	
mm ² /s @ 40°C	190
mm ² /s @ 100°C	17.5
Viscosity Index	99

1104

Performance standards

- API GL-5
- Mercedes-Benz Sheet 235.6 approval
- MAN 342 Type M2 (long drain) approval
- ZF TE-ML 16C approval
- ZF TE-ML 17B approval
- ZF TE-ML-19B approval
- ZF TE-ML 21A approval

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.chevronlubricants.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 Lubricants
– Asia Pacific