



Gear Oil GL-5

Extreme Pressure Automotive Gear Oil

Product Data Sheet

Customer benefits

Good gear life - Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.

Rust and corrosion protection — Effective inhibitor package protects against rusting or corrosion of gear and bearing surfaces.

Good foam inhibition — Foaming minimized by use of foam inhibitor.

Market general performance — Acceptable thermal and oxidation stability allows for appropriate gear protection in non-critical operations

Seal protection — Protects against oil seal deterioration.

Applications

Gear Oil GL-5 are recommended for use in spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings at normal drain intervals, and suitable for use in manual transmissions (SAE 80W-90 for commercial vehicles).

Their multiviscosity characteristics allow their use in equipment operating over a broad ambient temperature range. This means good cold flow properties and gear protection.

Product features:

- **Gear Oil GL-5** are multipurpose lubricants. They are made from paraffinic base stocks and contain a carefully balanced additive package to provide acceptable market general gear protection and lubricant life. The sulfur-phosphorus extreme pressure additive technology used in Gear Oil GL-5 provides good thermal and oxidation stability. In addition, this lubricant is fortified with rust and corrosion inhibitors, a foam inhibitor, and a pour point depressant.
- **Gear Oil GL-5** provides acceptable gear wear protection in non-critical gear applications. The highly refined base stocks and various inhibitors in the additive package help assure a well-balanced lubricant performance and appropriate gear life.

Typical key properties

GEAR OIL GL-5		
SAE Grade	80W-90	85W-140
Product Code	516294	516295
Density at 15°C kg/L	0.8867	0.9003
Pour Point, °C	-35	-12
Flash Point, °C	218	226
Viscosity,		
mm ² /s @ 40°C	145	341
mm ² /s @ 100°C	14.2	25.0
Viscosity Index	95	95

1604

Performance standards

Gear Oil GL-5 meets the requirements of:

- API Service Categories GL-5 and GL-4

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:
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– Asia Pacific