



Gear Oil GL-5

SAE 80W-90 & SAE 85W-140

Product Data Sheet



Product description

Gear Oil GL-5 gear lubricants are recommended for use in spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings.

Customer benefits

Gear Oil GL-5 delivers value through:

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

Good thermal and oxidation stability allows for appropriate gear protection in general 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.

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

Gear Oil GL-5 meets the requirements of:

- **API Service Categories** GL-5 and GL-4

Product features:

- **Gear Oil GL-5** are multipurpose lubricants.
- They are made from paraffinic base stocks and contain a 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.
- The sulfur-phosphorus extreme pressure additives in Gear Oil GL-5 provide good gear protection in general gear applications.
- The highly refined base stocks and various inhibitors in the additive package help assure a balanced lubricant performance and appropriate gear life.

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continued

The nominal ODI for viscosity grade 85W-140 is 30,000km for strenuous operation, and 90,000km for mild operation.

For further details related to your specific usage, please refer to the applicable 'Operation & Maintenance Manual' from the equipment manufacturer.

Typical test data

GEAR OIL GL-5	TEST METHOD	RESULTS	
SAE Grade	ASTM	80W-90	85W-140
Product Number		516294	516295
Density @ 15°C kg/L	D4052	0.8867	0.9003
Kinematic Viscosity,			
cSt @ 40°C	D445	145	341
cSt @ 100°C	D445	14.2	25.0
Viscosity, Brookfield			
cP @ -12°C	D2983	-	128,600
cP @ -26°C	D2983	53,900	-
Viscosity Index	D2270	95	95
Flash Point, °C	D92	218	226
Pour Point, °C	D97	-35	-12

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.

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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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