



Delo® Gear EP-5

SAE 80W-90, 85W-140

Product Data Sheet

Product description

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

Customer benefits

Delo Gear EP-5 delivers value through:

Long 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.

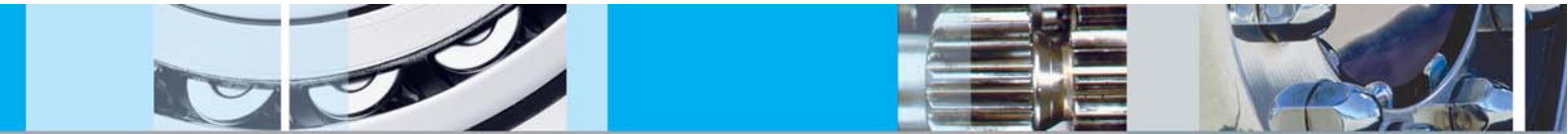
Excellent foam inhibition – Foaming minimized by use of foam inhibitor.

Long lubricant life – Outstanding thermal and oxidation stability allow high temperature operation with long lubricant life.

Seal Protection – Formulated to protect against oil seal deterioration.

Product features:

- **Delo Gear EP-5** are multipurpose lubricants.
- They are made from paraffinic base stocks and contain a carefully balanced additive package to provide gear protection and long lubricant life.
- The sulfur-phosphorus extreme pressure additive technology used in Delo Gear EP-5 provides exceptional thermal and oxidation stability. In addition, this lubricant is fortified with rust and corrosion inhibitors, a foam inhibitor, and a pour point depressant.



Applications

Delo Gear EP-5 are recommended for use in spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings.

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

Delo Gear EP-5 are approved for:

- **SAE J2360** (formerly known as MIL-PRF-2105E)
- **Volvo 97321 Approval**
 - SAE 80W-90 (Approval Nr. 97321-04)
 - SAE 85W-140 (Approval Nr. 97321-06)
- **ZF Approval**
 - SAE 80W-90 TE-ML 05A, 12M, 16B, 17B, 19B, and 21A (Approval Nr. ZF002270)
 - SAE 85W-140 TE-ML 05A, 12M, 16D, and 21A (Approval Nr. ZF002254)

Delo Gear EP-5 meet the requirements of:

- **API Service Categories** MT-1, and GL-5
- **Mack GO-J**

- The sulfur-phosphorus extreme pressure additives in Delo Gear EP-5 minimize the spalling and wear of gears by creating a microthin sacrificial film on the surface of the gear teeth which is actually softer than the gears themselves. Frictional heat and pressures between gear teeth cause the sulfur-phosphorus to react with the surfaces of the gear teeth at the point of contact, thus creating the sacrificial film.

- The highly refined base stocks and various inhibitors in the additive package help assure a well-balanced lubricant and long gear and bearing life.

Typical key properties

| DELO® GEAR EP-5 | | |
|-----------------------|---------|---------|
| SAE Grade | 80W-90 | 85W-140 |
| Product Number | 510411 | 510412 |
| Density at 15°C | 0.894 | 0.905 |
| Viscosity, Kinematic | | |
| cSt @ 40°C | 140 | 344 |
| cSt @ 100°C | 14.2 | 25.5 |
| Viscosity, Brookfield | | |
| cP @ -12°C | — | 56,100 |
| cP @ -26°C | 126,400 | — |
| Viscosity Index | 108 | 97 |
| Flash Point, °C | 213 | 234 |
| Pour Point, °C | -30 | -15 |

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

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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.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