



# RPM<sup>®</sup> UNIVERSAL GEAR LUBRICANTS

## SAE 80W-90, 85W-140

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### PRODUCT DESCRIPTION

RPM<sup>®</sup> Universal Gear Lubricants are recommended for use in spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings.

### CUSTOMER BENEFITS

RPM Universal Gear Lubricants deliver 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.

### FEATURES

RPM Universal Gear Lubricants 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 RPM Universal Gear Lubricants 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.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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GL-100

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The sulfur-phosphorus extreme pressure additives in RPM Universal Gear Lubricants 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 tooth surfaces cause the sulfur-phosphorus to react with the surface 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.

### APPLICATIONS

RPM Universal Gear Lubricants 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.

RPM Universal Gear Lubricants:

- meet the requirements of **API Service Categories** MT-1, GL-4 and GL-5
- are qualified for **SAE J 2360** (formerly known as MIL-PRF-2105E)
- have **Mack** GO-J approval (active on Mack web site)

**TYPICAL TEST DATA**

| <b>SAE Grade</b>                                    | <b>80W-90</b> | <b>85W-140</b> |
|---|---------------|----------------|
| <i>Product Number</i>                               | 225040        | 225039         |
| <i>MSDS Number</i>                                  | 7234          | 7234           |
| Density at 15.6°C(60°F), kg/L(lb/gal)               | 0.8871(7.40)  | 0.9053(7.56)   |
| Viscosity, Kinematic<br>cSt at 40°C<br>cSt at 100°C | 145<br>14.2   | 341<br>25.0    |
| Viscosity, Brookfield<br>cP at -12°C<br>cP at -26°C | —<br>81,000   | 123,000<br>—   |
| Viscosity Index                                     | 95            | 95             |
| Flash Point, °C(°F)                                 | 218(421)      | 226(439)       |
| Pour Point, °C(°F)                                  | -33(-27)      | -15(+5)        |

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

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.