

HAVOLINE[®] GEAR OIL SAE 80W-90, 85W-140

PRODUCT DESCRIPTION

Havoline[®] Gear Oils are high performance oils recommended for use in most spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings.

CUSTOMER BENEFITS

Havoline Gear Oils deliver value through:

- Long gear life Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Wide range of weather protection Multiple viscosity capability offers proper gear lubrication at both low and high operating temperatures.
- Rust and corrosion protection Effective inhibitor package protects against rusting or corrosion of gear and bearing surfaces.
- Low foam Excessive 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

Havoline Gear Oils are made from paraffinic base stocks and contain a carefully balanced additive package to help provide maximum gear protection and long lubricant life.

The sulfur-phosphorus extreme pressure additives used in Havoline Gear Oils provide outstanding thermal and oxidation stability.

In addition, these lubricants are fortified with rust and corrosion inhibitors, a foam inhibitor, and a pour point depressant.

The sulfur-phosphorus extreme pressure additives in Havoline Gear Oils 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

Havoline Gear Oils are recommended for use in many 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.

Havoline Gear Oils are approved for:

Mack GO-J

Havoline Gear Oils meet the requirements of:

- API Service Categories MT-1, GL-4, and GL-5
- SAE J 2360 (formerly known as MIL-PRF-2105E)

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-33

TYPICAL TEST DATA

SAE Grade	80W-90	85W-140
Product Number	222271	222272
SDS Number	8600	8600
Density at 15.6°C(60°F), kg/L(lb/gal)	0.896(7.46)	0.908(7.56)
Viscosity, Kinematic cSt at 40°C cSt at 100°C	145 14.2	341 25.0
Viscosity, Brookfield cP at -12°C cP at -26°C	 81,000	123,000
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.