



CHEVRON SUPREME LS GEAR LUBRICANT

SAE 80W-90

CUSTOMER BENEFITS

Chevron Supreme LS Gear Lubricant delivers value through:

- **Reduced inventory costs** — One gear lubricant for both conventional and limited slip differentials. Simplified inventory saves money, space, handling time and helps avoid product misapplication.
- **Extended gear life** — Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- **Long lubricant life** — Outstanding thermal and oxidation stability allow high temperature operation with long lubricant life.

FEATURES

Chevron Supreme LS Gear Lubricant is a high quality multipurpose gear lubricant.

It is formulated with friction modifiers so that it can be used for complete replacement or top-off in limited slip differentials without the need for a limited slip supplement.

Chevron Supreme LS Gear Lubricant is formulated with a high performance sulfur-phosphorous extreme pressure additive, thermally stable hydrocracked (Group II) base stocks, and friction modifiers for limited slip performance. In addition, this lubricant is fortified with rust and corrosion inhibitors, a foam inhibitor, and a pour point depressant.

The extreme pressure additives in Chevron Supreme LS Gear Lubricant reduce 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-phosphorous to react with the surface of the gear teeth at the point of contact, thus creating the sacrificial film.

The limited slip additive was carefully selected to provide the desired frictional properties in limited slip differentials with no degradation of performance in conventional applications.

The outstanding thermal durability minimizes oxidative sludge and varnish formation for longer gear, bearing and seal life.

APPLICATIONS

Chevron Supreme LS Gear Lubricant provides excellent performance in conventional applications, including:

- All conventional differentials calling for this viscosity grade in an API GL-5 gear lubricant
- Complete fill or top-off of all limited slip differentials
- Differentials calling for API GL-5 gear lubricants plus supplemental limited slip additive
- Manual transmissions/transaxles where gear lubricants are recommended
- Nonsynchronized manual transmissions used in buses and heavy duty trucks
- Four-wheel drive transfer cases
- Applications where a "multipurpose" gear lubricant or an API Service Classification GL-5 is required

Chevron Supreme LS Gear Lubricant meets or exceeds the performance requirements of **API Service Categories** MT-1 and GL-5.

Note: Chevron Supreme LS Gear Lubricant is designed for full refill of all limited slip differentials. However, there may be instances when axle chatter occurs. If so, it is acceptable to add at least 4 ounces of aftermarket limited slip top treat additive.

TYPICAL TEST DATA

SAE Grade	80W-90
<i>Product Number</i>	<i>250242</i>
<i>MSDS Number</i>	<i>7465</i>
API Gravity	28.1
Viscosity, Kinematic cSt at 40°C cSt at 100°C	140.8 14.2
Viscosity, Saybolt SUS at 100°F SUS at 210°F	738 76.4
Viscosity, Brookfield cP at -26°C	90,000
Viscosity Index	98
Flash Point, °C(°F)	221(430)
Pour Point, °C(°F)	-33(-27)

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.