



## High Performance Gear Oil

76® High Performance Gear Oil is a heavy-duty, extreme-pressure, API GL-5 automotive gear oil specially designed for use in racing applications. It also will provide excellent protection in passenger car and truck axles with either conventional or limited-slip differentials.

High Performance Gear Oil is formulated with a thermally stable and thermally durable additive package fortified with additional extreme-pressure (EP) and antifoam additives to provide excellent protection for gear sets operating under severe conditions involving high speeds, high temperatures and/or high loads. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under shock-load conditions.

High Performance Gear Oil is friction-modified to reduce chatter in limited-slip and positraction axles. It may be used for initial fill of new or rebuilt limited-slip differentials, for top-off and for refill after a complete drain.

### **Applications**

- Axles on racing vehicles
- Passenger car and truck axles with either conventional or limited-slip differentials
- Suitable for initial fill of new or rebuilt-limited slip differentials, for top-off and for refill after a complete drain

High Performance Gear Oil meets or exceeds the requirements of:

- API Service GL-5
- Ford WSP-M2C197-A
- Mack GO-J
- MIL-PRF-2105E
- SAE J2360

### **Features/Benefits**

- Excellent oxidation resistance and thermal stability to minimize sludge and varnish formation
- Excellent thermal durability and extreme-pressure properties for extended gear life

**High-Performance,  
Friction-Modified  
Automotive Gear  
Lubricant, API GL-5**

Customer Service  
Number:  
**1-714-556-0808**

Email Address:  
**Anthony@  
Intraoil.com**



- High load-carrying capacity for protection against scuffing and wear
- Protects against rust and corrosion
- Good foam resistance
- Friction-modified to prevent chatter in limited-slip and positraction differentials

**Note:** High Performance Gear Oil is **not** recommended for use in synchromesh manual transmissions with copper or bronze bushings.

### High Performance Gear Oil

#### Typical Properties

SAE Grade	80W-90
Specific Gravity @ 60°F	0.887
Density, lbs/gal @ 60°F	7.40
Color, ASTM D1500	3.0
Flash Point (COC), °C (°F)	212 (414)
Pour Point, °C (°F)	-30 (-22)
Viscosity, Brookfield	
cP @ -26°C	120,000
Viscosity, Kinematic	
cSt @ 40°C	137
cSt @ 100°C	14.3
Viscosity Index	102

#### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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