



## SMP Gear Oil

Phillips 66® SMP Gear Oil is a multipurpose, API GL-5 automotive gear lubricant specifically designed for use in passenger car and truck axles with hypoid gear sets. It also is recommended for use in some heavy-duty manual transmissions in trucks and buses.

SMP Gear Oil is formulated to provide long service life and extended gear life in automotive differentials operating under varying conditions of speed, load, temperature and torque. 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.

### **Applications**

- Service fill of conventional differentials on passenger cars and trucks
- Top-off only of limited-slip differentials on passenger cars and light trucks<sup>(1)</sup>
- Service fill of differentials, final drives and transfer cases in some off-highway equipment
- Non-synchronized manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-5 or MT-1 gear oil

<sup>(1)</sup> **Note:** For complete drain and refill, many limited-slip differentials may require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

SMP Gear Oil meets or exceeds the requirements of:

- API Service GL-5, MT-1
- Meritor O76-A (SAE 85W-140), O76-D (SAE 80W-90)
- MIL-PRF-2105E

SMP Gear Oil is registered or approved for:

- Mack GO-J
- MAN 342 Type M2 (SAE 80W-90)
- MAN 342 Type M1 (SAE 85W-140)
- SAE J2360

**Multipurpose  
Automotive  
Gear Lubricant,  
API GL-5/MT-1**

### **CONTACT INFORMATION**

**Phillips66  
Lubricants.com**

U.S. Customer  
Service:  
**1-800-368-7128**

Technical Hotline:  
**1-877-445-9198**

International  
Customer Service:  
**1-832-765-2500**

E-mail address:  
**phillips66lubricants@  
p66.com**



## 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 load-carrying capacity for protection against scuffing and wear
- Protects against rust and corrosion
- Good foam resistance

### SMP Gear Oil

#### Typical Properties

SAE Grade	80W-90	85W-140
Specific Gravity @ 60°F	0.888	0.898
Density, lbs/gal @ 60°F	7.40	7.48
Color, ASTM D1500	2.5	3.5
Flash Point (COC), °C (°F)	220 (428)	225 (437)
Pour Point, °C (°F)	-30 (-22)	-12 (10)
Viscosity, Brookfield		
cP @ -26°C	105,000	—
cP @ -12°C	—	110,000
Viscosity, Kinematic		
cSt @ 40°C	146	336
cSt @ 100°C	14.5	25.0
Viscosity Index	97	96

## Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.