



## **GEARPLUS<sup>®</sup> SAE 80W-140 GL-5**

### **All-Season, Multi-Grade, Heavy Duty Gear Lubricant**

#### **PRODUCT DESCRIPTION**

PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 multi-purpose gear lubricant is manufactured from select, highly refined base oils and field-proven performance additives. This gear oil offers excellent chemical and thermal stability over a wide temperature range and optimum protection against wear and shock loads in transmissions and axles.

PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is designed to provide excellent gear protection. It exceeds the latest requirements of gear and transmission manufacturers requiring API GL-5 or API MT-1 level lubricants. The API GL-5 designation covers hypoid gears in passenger cars and light-duty trucks, as well as heavy-duty trucks, operated under high-speed/shock-load, high-speed/low-torque and low-speed/high-torque conditions. The API MT-1 Service Classification describes gear lubricants suitable for use in Mack heavy-duty truck and bus manual transmissions.

PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is fortified with additives to prevent rust and corrosion. It is blended with antifoamants to prevent wear caused by lubricant foaming and aeration. PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is fully compatible with seals and gaskets in automotive and truck components. This lubricant further provides excellent low-temperature protection in the pinion-drive bearing channel.

Many fleets change lubricants on a seasonal basis because of viscosity considerations. Thus, drain intervals may be shorter than necessary, causing increased oil and labor costs. The low temperature fluidity and high viscosity index of PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 can eliminate this requirement for seasonal changes. This also allows vehicles to be operated in changing climates with confidence.

#### **APPLICATION**

PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is recommended for use in differentials and manual transmissions in passenger cars and light trucks, as well as axles of heavy duty trucks and off-road equipment and Mack heavy duty transmissions. In addition, PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is fully formulated for all limited slip differentials and in power dividers requiring limited slip additives. It may be used as both a makeup or refill fluid in limited slip differentials, including rebuilt units. PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 is suitable for use in Mack, Dana, Eaton and ArvinMeritor (formerly Rockwell) axles operating on standard drain intervals.

Severe conditions in construction and off-road operations can drive axle oil temperatures over 300°F. PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5 provides gear and bearing protection even under these severely stressed conditions. It should be noted that when operating in such severe conditions, proper drain intervals are especially critical.

#### **SPECIFICATIONS AND APPROVAL**

- Meets API GL-5 and MT-1 requirements
- Mack GO-J Approved
- Rockwell/Eaton
- MIL-L-2105 C/D

#### **BENEFITS**

- Reduces costs associated with seasonal oil changes
- Easier low-temperature starting
- Excellent performance in severe service
- Proven gear protection in low and high speed conditions

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**  
**PENNZOIL<sup>®</sup> GEARPLUS<sup>®</sup> SAE 80W-140 GL-5**

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL RESULTS</b>
SAE Grade		80W-140
API Service		GL-5 & MT-1
API Gravity	ASTM D-287	29
Limited Slip		Yes
Specific Gravity	ASTM D-1298	0.882
Pounds per Gallon		7.36
Flash Point, °C(°F) min.	ASTM D-92	219(425)
Viscosity		
@ 40°C, cSt	ASTM D-445	285
@ 100°C, cSt	ASTM D-445	27.5
Brookfield Viscosity, max cP@ -26°C	ASTM D-2983	<150,000
Viscosity Index	ASTM D-2270	135
Pour Point, °C(°F)	ASTM D-97	-26(-15)
Color	ASTM D-1500	2.0
Material Number		
Bulk		4970
400 Pound Drum		4976
120 Pound Drum		4975
35 Pound Pail		4974
12/1 Quart		4973