

# PENNZOIL GEARPLUS® SAE 80W-140 GL-5

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

## PRODUCT DESCRIPTIONS

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** multi-purpose gear lubricant is manufactured from select, highly refined base oil and blended with proven additives. This combination produces a gear oil of excellent chemical and thermal stability over a wide temperature range.

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** is designed to provide not only excellent gear protection, but improved fuel economy as well. Extensive field-testing in commercial fleets shows fuel economy gains of 1.2% to 2.8% over conventional SAE 80W-90 and 85W-140 gear lubes. **PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** 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 gear in passenger cars and other automotive equipments operated under high-speed, shock-load; high-speed, low-torque and low-speed, high-torque conditions. The API MT-1 Service Classification described gear lubricants suitable for use in modern, heavy-duty bus or truck manual transmission.

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** has excellent thermal oxidation stability and corrosion resistance. It is blended with antifoamants and superior sulfur phosphorous additives making it noncorrosive to gear units and compatible with seals and gaskets. This product provides excellent low-temperature protection in the pinion-drive bearing channel.

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** 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® GEARPLUS® SAE 80W-140 GL-5** eliminates this requirement. This also allows trucks to be operated in changing climates with confidence.

## APPLICATION

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** provide performance benefits in differentials and manual transmissions in passenger cars, trucks and contractor equipment where EP lubricants are specified. This product is suitable for either topping-off or refill of such equipment. In addition, **PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** is fully formulated for all limited slip differentials. It may be used as a makeup or refill fluid, including rebuilt limited slip units.

Severe conditions in logging, mining and dirt hauling operations can drive axle oil temperature over 300°F. **PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** continues to provide satisfactory gear and bearing protection even under these severely stressed conditions. It should be noted that when operations, proper drain intervals are especially critical.

**PENNZOIL® GEARPLUS® SAE 80W-140 GL-5** is suitable for use in worm gear differentials and steering gearboxes, as well as final drives, power dividers requiring limited slip additive, and transmission requiring GL-5 or MT-1 lubricants. This product is suitable for use in MACK, DANA, EATON, and ROCKWELL equipment.

## BENEFITS

- Proven gear protection in low and high speed conditions
- Reduce costs associated with seasonal oil changes
- Improves fuel economy
- Superior sulfur phosphorous additive
- Easier low-temperature starting
- Excellent performance in severe service
- USDA H-2 listed

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

TEST	METHOD	TYPICAL RESULTS
SAE Viscosity Grade		80W-140
API Service		GL-5 & MT-1
Gravity, API	ASTM D-287	27.5
Limited Slip		Yes
Specific Gravity	ASTM D-1298	0.890
Flash Point (COC) °C (°F)	ASTM D-92	219(425)
Pour Point °C (°F)	ASTM D-97	-26(-15)
Viscosity		
@ 40°C cSt	ASTM D-445	260
@ 100°C cSt	ASTM D-445	25.5
@ 100°F SUS	ASTM D-2161 & D-445	1360
@ 210°F SUS	ASTM D-2161 & D-445	126
Viscosity Index	ASTM D-2270	125
Color, ASTM	ASTM D-1500	2.0