



## **SYNTHETIC SAE 75W-90 GL-5**

### **Long Service Life, Wide Temperature Use Gear Oil**

#### **PRODUCT DESCRIPTION**

PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5, formerly known as GEARPLUS<sup>®</sup> SUPER SAE 75W-90, combines a premium performance gear oil additive package with a high quality synthetic base stock. The result is a gear oil that provides excellent low temperature fluidity for safe lubrication during very low temperature axle and transmission startup, and also maintains a thick protective oil film during extremely hot operating conditions.

PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5 is formulated with all the performance additives necessary for outstanding protection of gears and bearings. It contains extreme pressure agents which protect against shock loading and wear. Foam inhibitors protect against oil aeration, which can rupture the lubricant film and cause wear due to lack of lubrication. Special rust inhibitors are incorporated into PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5 to protect against corrosion than can result from condensation. Oxidation inhibitors are included to further enhance this synthetic oil's inherent oxidation stability, resulting in a lubricant with exceptionally long service life and excellent resistance to deposit and sludge formation during high temperature operation.

PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5 meets all the requirements of API Service Classification GL-5.

#### **APPLICATION**

PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5 is designed primarily for the lubrication of differentials and manual transmissions requiring an API GL-5 gear lubricant. It can be used in passenger cars, light trucks, sport utility vehicles and vans. It continues to flow at very low temperatures, providing especially good protection of gears and bearings in extreme cold weather. It also provides excellent service in torrid climates by not thinning at high temperatures, thereby maintaining a full film of protective lubricant on gear teeth. In hot running gear boxes, it allows longer service due to the excellent stability of the synthetic base stocks used in it.

PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5 is suitable for use in both limited slip differentials and conventional axles. It may be used for makeup or complete refill of limited slip differentials, including rebuilt units.

Passenger car or truck manual transmissions experiencing difficult shifting during cold weather while using conventional mineral based GL-5 oils, will typically find easier shifting characteristics when using PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5.

#### **BENEFITS**

- Maintains fluidity at low temperatures
- Does not thin out at high temperatures
- Long service life
- Prevents rust
- Resists oxidation
- Withstands heavy shock loads
- High viscosity index
- NFS Approved (former USDA H-2 rating)

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES  
PENNZOIL<sup>®</sup> SYNTHETIC SAE 75W-90 GL-5**

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL RESULTS</b>
Gravity, °API	ASTM D-287	33.0
Gravity, Specific @ 60°F	ASTM D-1298	0.860
Pounds per Gallon		7.3
Flash Point, °C(°F)	ASTM D-92	201(395)
Pour Point, °C(°F)	ASTM D-97	-51(-60)
Viscosity		
@ 40°C, cSt	ASTM D-445	110
@100°C, cSt	ASTM D-445	15.7
@ 100°F SUS	ASTM D-445 & 2161	562
@ 210°F SUS	ASTM D-445 & 2161	82.1
Viscosity Index	ASTM D-2270	151
Brookfield Viscosity cP @ -40°C	ASTM D-2983	82,000
Channel Point, °C(°F)		-45(-50)
Material Number		
390 Pound Drum		4467
110 Pound Drum		4468
33 Pound Pail		4469
12/1 Quart		56077