

PENNZOIL PLATINUM™ GEAR SAE 75W-90 Long

Service Life, Wide Temperature Use Gear Oil

TECHNICAL DATA SHEET



PENNZOIL PLATINUM™ GEAR 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 transmission or gearbox startup, and also maintains a thick protective oil film during extremely hot operating conditions.

PENNZOIL PLATINUM™ GEAR SAE 75W-90 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 PLATINUM™ GEAR SAE 75W-90 to protect against corrosion that 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.

PERFORMANCE, FEATURES & 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

MAIN APPLICATIONS

PENNZOIL PLATINUM™ GEAR SAE 75W-90 is designed primarily for the lubrication of differentials and manual transmissions requiring an API GL-4 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 hot 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 long service due to the excellent stability of the synthetic base stocks used in it. It may be used where an SAE 80W-90 or SAE 90 is used unless synthetic oils are excluded.

Passenger car or truck manual transmissions experiencing difficult shifting during cold weather while using conventional mineral based, SAE 80W-90, SAE 90 or higher viscosity GL-4 oils, will typically find easier shifting characteristics when using PENNZOIL PLATINUM™ GEAR SAE 75W-90.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

PENNZOIL PLATINUM™ GEAR SAE 75W-90 meets all the requirements of API Service Classification GL-4.

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

To find the right Pennzoil® product for your vehicles and equipment, please consult www.pennzoil.com to look up the right motor oil recommendation using our oil selector.

PENNZOIL PLATINUM™ GEAR SAE 75W-90 *Long Service Life, Wide Temperature Use Gear Oil*

TYPICAL PHYSICAL CHARACTERISTICS

Properties			Method	PENNZOIL PLATINUM™ GEAR SAE 75W-90
Gravity, Specific	@60°F		ASTM D1298	0.8698
Pounds per Gallon				7.25
Flash Point		°C(°F)	ASTM D92	229(445)
Pour Point		°C(°F)	ASTM D97	-42(-44)
Kinematic Viscosity	@40°C	cSt	ASTM D445	108
Kinematic Viscosity	@100°C	cSt	ASTM D445	15.3
Kinematic Viscosity	@100°F	SUS	ASTM D445 & D2161	554
Kinematic Viscosity	@210°F	SUS	ASTM D445 & D2161	80.7
Viscosity Index			ASTM D2270	149
Brookfield Viscosity	@-40°C	cP	ASTM D2983	110 000

These characteristics are typical of current production. While future production will conform to Pennzoil's® specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pennzoil Platinum™ Gear 75W-90 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from www.epc.shell.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Shell Lubricants distributor representative or Shell Technical Help Desk.