

Pzl[®] Synthetic 75W-140 (GL-5)

Synthetic Gear Oil For "Ultimate Vehicle Protection"

TECHNICAL DATA SHEET



PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 Gear Lubricant combines a premium performance gear oil additive package with a high quality synthetic base stock. The result is a gear oil that provides excellent fluidity for safe lubrication of gears and axles during very low temperatures and also maintains a thick protective oil film during extremely hot operating conditions.

PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 is formulated with all the performance additives necessary for outstanding protection of gears and bearings. It contains extreme pressure agents that 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[®] SYNTHETIC SAE 75W-140 GL-5 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 formation during high temperature operation.

PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 meets all the requirements of API Service Classification GL-5.

PERFORMANCE, FEATURES & BENEFITS

- Contains special extreme pressure and anti-wear additives, minimizing wear that can occur with high or shock loads
- Provides protection over a wide temperature range
- Protects against corrosion
- Provides outstanding thermal stability
- Reduces or eliminates chatter in limited slip differentials

MAIN APPLICATIONS

PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 Gear Lubricant is designed primarily for the lubrication of differentials and manual transmissions requiring an API GL-5 gear lubricant. It can be used in limited slip and conventional differentials found in passenger cars, light trucks, sport utility vehicles and vans. It continues to flow at very low temperatures, providing especially good protection for 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 the product. PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 is specially formulated for today's stringent demands of everyday stop and go driving and towing applications.

PENNZOIL[®] SYNTHETIC SAE 75W-140 GL-5 is suitable for use in both limited slip and conventional differentials. 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[®] SYNTHETIC SAE 75W-140 GL-5.

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SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

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.

TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	Pzl [®] Synthetic 75W-140
Gravity	°API	ASTM D287	31.7
Specific Gravity	@60°F	ASTM D1298	0.865
Pounds per Gallon			7.3
Flash Point	°C (°F)	ASTM D92	188 (370)
Pour Point	°C (°F)	ASTM D97	-45 (-49)
Kinematic Viscosity	@40°C cSt	ASTM D445	175
Kinematic Viscosity	@100°C cSt	ASTM D445	24.6
Kinematic Viscosity	@100°F SUS	ASTM D445 & D2161	896
Kinematic Viscosity	@210°F SUS	ASTM D445 & D2161	121
Viscosity Index		ASTM D2270	173
Brookfield Viscosity	@-40°C cP	ASTM D2983	126 000
Material Number	Bulk		5036402
Material Number	35 Pound Pail		5036403
Material Number	12/1 Quart		5036424

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

Pzl[®] Synthetic 75W-140 (GL-5) 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.