



PRODUCT INFORMATION & DATA SHEET

DURA-SHIFT GL-5 LS 80W-90

High-performance limited-slip differential axle gear oil.

Specially developed high-performance Limited-Slip Differential (LSD) Gear Oil based on selected base oil with appropriate dose of limited-slip (LS) properties for use in four-wheel drive/ front-wheel drive axles and differentials in 4x4 vehicles and commercial trucks where high operating pressure and shock load are expected. The effective limited-slip performance and excellent friction properties ensure the clutch slips smoothly and reduce chattering noise, as well as reliably protect against high-speed scoring and high torque wear under extreme operating conditions. Excellent seal compatibility.

Performance levels

API GL-5/GL-5 +LS/MT-1, Chrysler MS-9020, Ford ESP-M2C154-A/WSP-M2C197-A/XY-80W90-QL, GM 9985290, MIL-L-2105 D, SAE J2360, Volvo 97321

Some of the benefits of using this transmission fluid

- Consists excellent limited-slip agents to eliminate chatter and noise even under the toughest operations, without requiring an additional friction-modifier additive.
- Fortified with excellent extreme-pressure properties, allow very good load carrying capacity even under high torque conditions and heavy continuous loads.
- Favorable cold cranking behaviour offers fast oil flow and penetration after cold-start, allows easier start and prevents "cold-start" wear.
- Optimum thermal stability prevents the oxidation and degradation of oil, as well as ensures low tendency of foam formation even at high operating speed.
- Stable lubricating film within the service interval even with long period of hot oils and shear stressed. As results the gear operating noise and wear are reduced.

Areas of application

For application in heavy-load limited-slip differentials, drive axles and final drives of passenger cars, SUVs, buses, trucks and off-highway machines require a limited-slip gear oil with API GL-5 performance.

Service recommendation

Well suitable for service fill of all limited slip differentials requiring a gear oil with this specification. Follow the OEM recommendation in choosing the right gear oil. Drain and fill with new gear oil according to operating instructions. Compatible and miscible with commercially available synthetic and conventional gear oils of this specification. However, peak performance is guaranteed only upon using alone, a complete oil change is highly recommended.

Typical properties

| SAE Viscosity | | 80W-90 |
|-----------------------------------------|------------|---------------|
| Viscosity Index (VI) | ASTM D2270 | 111 |
| Viscosity at 100 °C; mm ² /s | ASTM D445 | 15,4 |
| Viscosity at 40 °C; mm ² /s | ASTM D445 | 156,7 |
| Density at 15 °C; kg/m ³ | ASTM D4052 | 885.0 |
| Foam Stability | ASTM D892 | Pass |
| Flash Point; °C | ASTM D92 | 206 |
| Pour Point; °C | ASTM D97 | -30 |

Application note

Suitable for initial fill, topping-off, and refill of enclosed type gearing where a 80W-90 LSD Gear Oil of this specification is recommended.

Product availability

This product may not be available locally. Contact your local distributor.

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.