

## Special Limited-Slip Gear Lubricant

Kendall® Special Limited-Slip Gear Lubricant is an extreme-pressure, API GL-5, SAE 80W-90 automotive gear oil specially formulated to satisfy the lubrication needs of most limited-slip rear axles. It is friction-modified to help eliminate the stick-slip chatter associated with low-speed, high-torque operation of limited-slip differentials while turning corners with some passenger cars and light trucks.

Special Limited-Slip Gear Lubricant is formulated to provide long service life and extended gear life in automotive differentials operating under varying conditions of speed, load, temperature and torque. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue under shock-load conditions.

### Applications

- Passenger car and truck axles with either conventional or limited-slip differentials
- Suitable for initial fill of new or rebuilt limited-slip differentials, for top-off, and for refill after a complete drain

Special Limited-Slip Gear Lubricant meets or exceeds the requirements of:

- API Service GL-5
- Mack GO-J
- MIL-PRF-2105E
- SAE J2360

### Features/Benefits

- Excellent oxidation resistance and thermal stability to minimize sludge and varnish formation
- Excellent thermal durability and extreme-pressure properties for extended gear life
- High load-carrying capacity for protection against scuffing and wear
- Protects against rust and corrosion
- Good foam resistance
- Friction-modified to prevent chatter in limited-slip and positraction differentials

**Note:** *The oil-soluble friction modifier in this product is available in 4-oz. plastic bottles as Kendall Limited-Slip Axle Additive Concentrate. This concentrate may be used to modify the frictional characteristics of conventional API GL-5 gear lubricants to meet the lubrication needs of limited-slip differentials.*

**Friction-Modified  
Automotive Gear  
Lubricant, API  
GL-5**



## Special Limited-Slip Gear Lubricant

| Typical Properties         |               |
|----------------------------|---------------|
| <b>SAE Grade</b>           | <b>80W-90</b> |
| Specific Gravity @ 60°F    | 0.891         |
| Density, lbs/gal @ 60°F    | 7.42          |
| Color, ASTM D1500          | 3.0           |
| Flash Point (COC), °C (°F) | 212 (414)     |
| Pour Point, °C (°F)        | -30 (-22)     |
| Viscosity, Brookfield      |               |
| cP @ -26°C                 | 90,000        |
| Viscosity, Kinematic       |               |
| cSt @ 40°C                 | 140           |
| cSt @ 100°C                | 14.5          |
| Viscosity Index            | 102           |

## Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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