



## NATIONAL | Automotive Gear Oils (limited slip)

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### Product Description

NATIONAL Automotive Gear Oils (LS) are formulated with a thermally stable friction modifier for limited slip performance, a high-performance sulfur-phosphorous extreme pressure additive, and highly refined base stocks to make a well-balanced lubricant with robust protection against sludge build-up and thermal breakdown and help assure a long gear and bearing life.

NATIONAL Automotive Gear Oils (LS) are recommended for use in spiral bevel and hypoid differentials, power dividers, oil lubricated steering axle wheel bearings, conventional transmissions and manual transmissions calling for Limited Slip API GL-5 and MT-1.

### Features

- ✓ Long gear life and excellent load carrying ability
- ✓ Excellent sludge protection for superior cleanliness
- ✓ Available in two multi-grade viscosities
- ✓ Excellent thermal stability
- ✓ Excellent anti-foam and thermal protection
- ✓ Superior rust and corrosion protection

### Industry and OEM Applications <sup>1</sup>

- ◆ LIMITED SLIP API GL-5/ MT-1
- ◆ SAE J2360
- ◆ Mack GO-J
- ◆ MIL-L-2105D-E

Meets the requirements of:

- ◆ Ford WSP-M2C197A (80W-90 only)
- ◆ ZF TE ML-07A / 08

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.



## Technical Data

SAE GRADE		80W-90	85W-140
Product Number		07-515150	07-515250
SDS Number		S053	S053
Viscosity @ 100°C, cSt	D445	14.10	29.71
Viscosity @ 40°C, cSt	D445	124.0	433.90
Viscosity Index	D2770	113	97
Specific Gravity @60°F	D4052	0.8873	0.9021
Pour Point, °C	D5950	-33	-18
Flash Point, °C	D92	208	226
Color ASTM	D1500	L4.0	4.5
Viscosity Brookfield, cP	D2983	80,600 (-26°C)	87,600 (-12°C)
Phosphorus, ppm	D4951	935	920
Foam characteristics	D892	Pass	Pass

*GL-5/ MT-1 with  
superior cleanliness  
performance*



*Other GL-5 only fluids*

- 1) Consult your owner's manual regarding its suitability for use in equipment from other OEMs. This fluid performs in most equipment without concern for fluid-related harm. Additive producer applied engineering judgement to our data set and are confident that their additive can meet the performance requirements of the OEMs we have listed.
- 2) Technical data are typical values and may vary.
- 3) These lubricants have a typical sulfur-phosphorus odor characteristic of industrial gear oils; a ventilated environment is recommended during use.

The recommended shelf life for these oils is typically 18 months from manufacturing date when stored properly in the original sealed containers

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