



NATIONAL | Automotive Gear Oils (limited slip)

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.

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
- ✓ Formulated to promote long life for gears, bearings, and seals
- ✓ Compatible with conventional sulfur-phosphorus hydrocarbon-based lubricants

Industry OEM ¹

- ◆ API GL-5/ MT-1
- ◆ SAE J2360
- ◆ Mack GO-G, H, J
- ◆ MIL-L-2105D-E
- ◆ Pg-2 Limited Slip
- ◆ ZF TE ML-07A

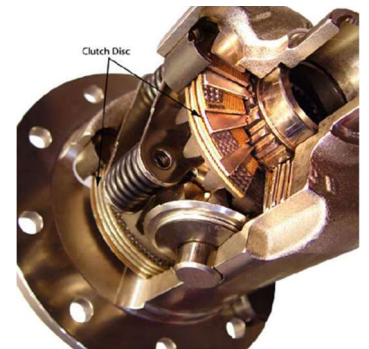
SAE 80W-90 meets the requirements of:

- ◆ Ford WSP-M2C197-A
- ◆ Volvo 97310
- ◆ Arvin Meritor 0-76-P

Applications

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. These lubricants are excellent automotive gear lubricants, particularly those operating under severe temperature and load conditions. They provide excellent wear control even in the presence of small amounts of water. Their exceptional thermal and oxidation stability, and antiwear performance promote long gear life and optimal drain intervals.

Limited Slip Differential



Technical Data

(typical values)

SAE GRADE		80W-90	85W-140
Product Number		07-515150	07-515250
SDS Number		S170	
Viscosity @ 100°C, cSt	D445	15.73	27.27
Viscosity @ 40°C, cSt	D445	142.6	372.1
Viscosity Index	D2770	115	99
Specific Gravity @60°F	D4052	0.8794	0.8970
Pour Point, °C	D5950	-39	-21
Flash Point, °C	D92	230	220
Color ASTM	D1500	L3.0	L4.0
Brookfield Viscosity, cP	D2983	66,100 (-26°C)	79,500 (-12°C)
Copper corrosion (3 hrs. @ 121°C)	D130	2C	3B
Foam characteristics	D892	Pass	Pass

- 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. Our 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) 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

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.

