



NATIONAL | Automotive Gear Oils

Product Description

NATIONAL AUTOMOTIVE GEAR OILS are high performance multi-grade extreme-pressure multipurpose lubricants. These gear oils offer excellent performance in automotive axles, gear sets, transaxles, differentials, final drives and in manual transmissions. These oils are formulated to provide outstanding thermal stability, excellent corrosion protection and superior seal compatibility

Features

- ✓ Excellent load carrying ability
- ✓ Excellent sludge protection for superior cleanliness
- ✓ Excellent thermal stability
- ✓ Excellent anti-foam and thermal protection
- ✓ Superior rust and corrosion protection
- ✓ Available in two multi-grade viscosities
- ✓ Compatible with conventional sulfur-phosphorus hydrocarbon-based lubricants

Industry OEM

- ◆ API GL-5
- ◆ MIL-L-2105D¹
- ◆ ZF TE ML-07A/08

Applications

NATIONAL AUTOMOTIVE GEAR OILS are recommended for use in conventional transmissions and manual transmissions calling for API GL-5.



Technical Data

(typical values)

SAE GRADE		80W-90	85W-140
Product Number		07-711495	07-711501
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) Obsolete
- 2) 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.
- 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

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.

