



Triton® Synthetic Gear Lube

Triton Synthetic Gear Lube is a synthetic, multipurpose, extreme-pressure, API GL-5 automotive gear lubricant. It is specifically designed for use in passenger car and truck axles with hypoid gear sets operating in extreme temperatures or under severe driving conditions. It 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 and spalling damage under shock-load conditions. The full-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better low-temperature properties compared with conventional automotive gear oils, resulting in longer service intervals and better performance over a wider temperature range.

Triton Synthetic Gear Lube is fully approved for extended drain service in ArvinMeritor, Dana and Eaton final drive axles. The SAE 75W-90 viscosity grade meets the performance requirements of the Dana SHAES-256 Rev. C specification.

Applications

Triton Synthetic Gear Lube is recommended for service fill of conventional differentials and for top-off of limited-slip differentials in passenger cars and trucks.⁽¹⁾ It also is recommended for service fill of differentials, final drives and transfer cases in some off-highway equipment. It may be used in non-synchronized manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-5 or MT-1 gear oil. It is approved for 500,000-mile drain intervals in heavy-duty axles under ArvinMeritor, Dana (SAE 75W-90) or Eaton Roadranger® extended warranties.

Triton Synthetic Gear Lube meets or exceeds the requirements of:

- API Service GL-5, MT-1
- ArvinMeritor O76-N (SAE 75W-90), O76-B (SAE 80W-140)
- Dana SHAES-256 Rev. C (SAE 75W-90)
- Eaton Roadranger® E500™ (formerly PS-163)
- International TMS 6816
- Mack GO-J Plus (SAE 75W-90), GO-J (SAE 80W-140)

**Premium Synthetic
Automotive
Gear Lubricant,
API GL-5/MT-1**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

**U.S. Technical
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1-800-766-0050**

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- MIL-PRF-2105E
- SAE J2360

Features/Benefits

- Extended drain, all-season performance
- Outstanding 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
- High shear stability
- Outstanding low-temperature properties
- Protects against rust and corrosion
- Good foam resistance
- Potential fuel economy savings compared with conventional SAE 80W-90 or SAE 85W-140 gear oils

⁽¹⁾ **Note:** For complete drain and refill, many limited-slip differentials may require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

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Typical Properties

SAE Grade	75W-90	80W-140
Density, g/cm ³ @ 15.6°C (60°F)	0.891	0.902
Density, lbs/gal @ 15.6°C (60°F)	7.42	7.51
Color, ASTM D1500	8.0	8.0
Flash Point (COC), °C (°F)	204 (399)	200 (392)
Pour Point, °C (°F)	-45 (-49)	-40 (-40)
Viscosity,		
cP @ -26°C (Brookfield)	—	75,000
cP @ -40°C (Brookfield)	125,000	—
cSt @ 40°C	122	284
cSt @ 100°C	16.6	30.6
SUS @ 100°F	627	1,476
SUS @ 210°F	86.2	149
Viscosity Index	147	146

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

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