



Product Application Sheet

76 Triton Syn Lube EP

SYNTHETIC MULTIPURPOSE AUTOMOTIVE GEAR LUBRICANT, API GL-5

76 Triton Syn Lube EP is a synthetic-based multipurpose, extreme pressure, API GL-5 automotive gear lubricant. It is compounded to meet the severe lubrication requirements of modern passenger car and truck axles with either conventional or limited-slip differentials. It is specifically designed for use in axles with hypoid gear sets. It may also be used in manual transmissions where the manufacturer specifies an API GL-5 gear oil. 76 Triton Syn Lube EP provides outstanding service over a wide temperature range and has excellent durability at elevated temperatures. It meets the requirements of API GL-5 and MT-1, as well as MIL-PRF-2105E and MIL-L-2105D. It is approved for Eaton Roadranger and Meritor (Rockwell) extended warranty coverage.

TYPICAL APPLICATIONS

Conventional and limited-slip differentials in passenger cars, light trucks, and heavy-duty trucks.

Differentials, final drives, and transfer cases of heavy equipment.

Conventional manual transmissions for which the manufacturer specifies an API GL-5 gear oil.

Hypoid gear sets.

All parts normally lubricated by automotive gear oil, such as manual steering gears, universal joints, and rear wheel bearings.

Industrial reduction gears where extreme pressure gear oils are specified.

CAUTION: For refill after a complete drain, some limited-slip differentials **may** require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

Issued by
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RECOMMENDED FOR:

API Service GL-5, MT-1, and proposed PG-2
Dana Spicer Drive Axles
Eaton Roadranger E500 (PS-163)
General Electric D50E9C
Mack GO-J (SAE 80W-140), GO-J Plus (SAE 75W-90)
Meritor (Rockwell) O-76B (SAE 80W-140), O-76E & O-76N (SAE 75W-90)
Military Specifications:
MIL-PRF-2105E, MIL-L-2105D

Axles with limited-slip differentials
Hypoid gear sets
Manual transmissions where an API GL-5 gear lubricant is recommended

OUTSTANDING FEATURES

- ◆ Outstanding thermal stability to minimize oxidative sludge and varnish formation
- ◆ High film strength and excellent shear stability
- ◆ Excellent load-carrying capacity and protection against scuffing and wear
- ◆ Superior low temperature properties
- ◆ Good rust and corrosion protection
- ◆ Good foam resistance
- ◆ Approved for Eaton Roadranger and Meritor 750,000-mile extended warranty coverage
- ◆ Compatible with other MIL-L-2105D quality gear lubricants⁽¹⁾

⁽¹⁾ **Note:** For optimum performance, the mineral oil lubricant should be drained before using 76 Triton Syn Lube EP. Mixing products may reduce the effectiveness and advantages normally gained by using 76 Triton Syn Lube EP.

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DESCRIPTION

76 Triton Syn Lube EP is formulated with synthetic polyalphaolefin (PAO) base oils and selected additives that provide extreme pressure properties, oxidation resistance, rust and corrosion protection, and foam resistance. The synthetic base oils have excellent thermal stability at elevated temperatures and outstanding low temperature properties. These features provide for extended drain service and superior year-round performance exceeding that of conventional hypoid gear lubricants.

76 Triton Syn Lube EP provides excellent performance in automotive differentials operating under varying conditions of speed, load, temperature, and torque. It is inhibited to minimize deposits and viscosity increase due to oxidation at high temperatures. It protects metal parts against rust and corrosion and is non-corrosive to steel or bronze under normal operating conditions. A foam inhibitor prevents excessive foam buildup that can interfere with proper lubrication.

TYPICAL INSPECTION TESTS:

SAE Grade	75W-90	80W-140
Product Code	50130	50120
Density, g/cm ³ @ 15°C	0.90	0.90
Color, ASTM	8.0	8.0
Flash Point, COC, °C (°F)	205 (400)	200 (390)
Pour Point, °C (°F)	-45 (-49)	-40 (-40)
Viscosity		
cP <150,000 (Brookfield) @ °C (°F)	-40 (-40)	-26 (-15)
cSt @ 40°C	125	280
cSt @ 100°C	17.0	30.0
SUS @ 100°F	642	1,456
SUS @ 210°F	87.8	147
Viscosity Index	149	145
Copper Corrosion, ASTM D130	1A	1A
Foam Test, ASTM D892	Pass	Pass
Non-Channeling @ °C (°F)	< -50 (< -58)	-55 (-67)