



Triton Synthetic Transoil 50

Triton Synthetic Transoil 50 is a full-synthetic SAE 50 transmission lubricant designed for use in heavy-duty truck and bus manual transmissions operating in extreme temperatures and/or extended service intervals. It combines improved low-temperature properties with outstanding oxidation resistance and thermal stability at high temperatures to provide excellent all-weather, year-round performance. It has excellent shear stability and antiwear properties to protect synchronizers, reduce component wear and promote longer transmission life. It is particularly recommended for use in newer, higher-torque manual transmissions coupled with increased horsepower engines. It is fully approved for extended drain service in Eaton Roadranger® transmissions.

Applications

Triton Synthetic Transoil 50 is recommended for use in ArvinMeritor, Dana Spicer, Eaton Fuller International, Mack and other heavy-duty manual transmissions that require a non-EP gear oil (API GL-1/MT-1) or a MIL-L-2104D (API CD) quality engine oil. It is approved for 500,000-mile drain intervals in Eaton transmissions under the Eaton Roadranger® PS-164 Rev 7 specification.

Triton Synthetic Transoil 50 meets or exceeds the requirements of:

- API Service GL-1, MT-1
- ArvinMeritor O-81
- Dana Spicer Transmissions
- Eaton Fuller Transmissions
- Eaton Roadranger® E500™ (PS-164 Rev 7)
- International TMS 6816
- Mack TO-A Plus
- MIL-L-2104D
- ZF Freedomline Transmissions

Features/Benefits

- Extended drain, all-season performance
- Outstanding oxidation resistance and thermal stability to minimize sludge and varnish formation
- Excellent low-temperature properties for easier shifting in cold weather
- High shear stability
- High load-carrying capacity
- Protects against component wear and gear micropitting

Premium Full-Synthetic SAE 50 Manual Transmission Fluid, API GL-1/MT-1

Contact Information

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

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- Protects against rust and corrosion
- Good foam resistance
- Excellent seal compatibility
- Potential fuel economy benefits compared to non-synthetic transmission fluids

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Typical Properties

SAE Grade	50
Density, g/cm ³ @ 15.6°C (60°F)	0.860
Color, Visual	Amber
Flash Point (COC), °C (°F)	221 (430)
Pour Point, °C (°F)	< -45 (< -49)
Viscosity,	
cP @ -40°C (Brookfield)	104,000
cSt @ 40°C	132
cSt @ 100°C	17.5
SUS @ 100°F	679
SUS @ 210°F	90.0
Viscosity Index	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>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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