



**YOU GET OUT
WHAT YOU
PUT IN.** 

SHP® Synthetic Transoil 50

Kendall® SHP Synthetic Transoil 50 is a full-synthetic SAE 50 transmission lubricant designed for use in heavy-duty manual and automated manual transmissions in trucks and buses 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.

SHP Synthetic Transoil 50 has excellent shear stability and anti-wear 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 (up to 500,000 miles in linehaul service) in Eaton Roadranger® and Meritor transmissions

Premium Full-Synthetic SAE 50 Manual and Automated Manual Transmission Fluid, API MT-1

Applications

- Heavy-duty manual and automated manual transmissions in trucks and buses where the OEM specifies a non-EP, API MT-1 SAE 50 or API GL-1 SAE 90 gear oil, or an SAE 50 heavy-duty engine oil
- SHP Synthetic Transoil 50 is recommended for multi-AMT out of warranty service lubricant for Eaton, Volvo iShift (Mack mDrive), and Detroit DT12 automated manual transmissions:
- SHP Synthetic Transoil 50 is approved for service fill under the following:
 - Eaton PS-164 Rev 7
 - Mack TO-A Plus
 - Meritor O-81

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



SHP Synthetic Transoil 50

| Typical Properties | |
|----------------------------|-----------|
| SAE Grade | 50 |
| Specific Gravity @ 60°F | 0.860 |
| Density, lbs/gal @ 60°F | 7.16 |
| Color, Visual | Amber |
| Flash Point (COC), °C (°F) | 221 (430) |
| Pour Point, °C (°F) | -45 (-49) |
| Viscosity, Brookfield | |
| cP @ -40°C | 104,000 |
| Viscosity, Kinematic | |
| cSt @ 40°C | 132 |
| cSt @ 100°C | 17.5 |
| Viscosity Index | 146 |

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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