



Transmission Lubricant Data Sheet

Roadranger SAE 50 Synthetic Transmission Lubricant (Part # 2979) is a specially formulated synthetic lubricant designed for Eaton Manual Transmissions. This product is extended drain and severe service capable to protect the higher torque manual and automated mechanical transmissions coupled with high horsepower engines.

Roadranger SAE 50 Synthetic Manual Transmission Lubricant meets all of the performance requirements of:

- **Eaton PS-164 Rev. 7**
- Mack® Truck TO-A Plus
- International® Truck TMS 6816
- ZF FreedomLine
- API MT-1

Roadranger SAE 50 Synthetic Lubricant provides:

- Potential for maximum fuel economy
- Improved component protection
- Easier cold weather shifting
- Extended drain interval
- All-weather, year-round performance

Roadranger SAE 50, formulated from full synthetic

base stock, has a high viscosity index and low pour point. Roadranger lubricant provides superior all-weather, year-round performance. It also contains an anti-wear additive as well as rust, oxidation and corrosion inhibitors that protect bearings and synchronizers, reduce component wear and promote longer transmission and lubricant life.

In addition, the high viscosity index, low pour point and sub-zero fluid flow provide for easier cold weather shifting, less drag and less gear wear because vital transmission parts are lubricated quickly. Since it is highly stable when exposed to severe heat, oxidation and shear conditions, it provides exceptional high temperature lubrication. Roadranger SAE 50 is designed for extended drain intervals (500,000 drain, 750,000 mile warranty) where applicable.

The superior all-season lubricating properties mean less friction and drag in the transmission resulting in a potential for fuel economy. These benefits translate directly into reduced maintenance and replacement parts cost and less downtime.

Material Safety Data Sheets for this product are provided with samples or are available on request. Users of this product are urged to study and use this information.

Transmission Synthetic Lubricants

Typical Characteristics:

	ROADRANGER SAE 50 (2979)	TEST METHODS
SAE Grade	50	SAE J-300
Viscosity, cSt		ASTM D-445
100°C	17.5	
40°C	132	
Viscosity, SUS		ASTM D-2161
210°F	89.9	
100°F	678	
Viscosity, cP		ASTM D-2983
-40°C	104,000	
Viscosity index	146	ASTM D-2270
Pour point, °C (°F)	<-45 (<-49)	ASTM D-97
Flash point, °C (°F)	221 (430)	ASTM D-92
Foam		ASTM D-892
Sequence I	Pass	
Sequence II	Pass	
Sequence III	Pass	
API gravity 15.6/15.6°C	33.0	ASTM D-287
Density, g/l, 15.6°C (lbs./gal., 60°F)	860 (7.17)	ASTM D-1298
Copper strip corrosion		ASTM D-130
3 hrs. @ 100°C (212°F)	1a pass	
3 hrs. @ 121°C (250°F)	1a pass	

Roadranger SAE 50 Synthetic Transmission Lubricant is available in

- Bulk
- Totes 1900 lbs.
- Drums 375 lbs.
- Keg 110 lbs.
- Pails 33 lbs.
- Gallon case (4 x 1 gallon container) 28.68 lbs.

Note: All data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your own plant or laboratory. No statement should be construed as a recommendation for any use that would violate any patent rights. Sales of all products are pursuant to terms and conditions included in sales documents. Nothing contained herein shall constitute a guarantee or warranty with respect to the products described or their use.

Roadranger®



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For spec'ing or service assistance, call 1-800-826-HELP (4357) or visit our web site at www.roadranger.com. In Mexico, call 001-800-826-4357.

Roadranger: Eaton, Dana and other trusted partners providing the best products and services in the industry, ensuring more time on the road.