



# TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

In-State (314) 865-4100/Out of State 800-325-9962/Fax (314) 865-4107 <http://www.schaefferoil.com>

---

## #742 SYNTHETIC LUBE 50 E/A

Synthetic Lube 50 E/A is a heavy duty synthetic lubricant that is specially formulated and designed for extended drain and severe service in heavy duty manual transmissions that require the use of a non-extreme pressure lubricant. Synthetic Lube 50 E/A is particularly recommend for use in those manual transmissions that require the use of an approved lubricant for Eaton® (Fuller) RoadRanger and Meritor (Rockwell) transmissions that are under extend warranty.

Synthetic Lube 50 E/A is formulated from the highest quality high viscosity index low pour point synthetic base fluids available. Blended into these synthetic base fluids is a multifunctional anti-wear, rust, oxidation and corrosion inhibitor additive package. This formulation provides the Synthetic Lube 50 E/A with the following advantages:

1. **Excellent low temperature properties that provide low temperature fluid flow for easier cold weather shifting less drag and less gear wear.**
2. **Excellent resistance to oxidation and thermal degradation.**
3. **Increased synchronizer and bearing wear protection and life under a wide variety of operating conditions.**
4. **Reduced component wear.**
5. **Excellent rust and corrosion inhibiting properties.**
6. **Excellent seal compatibility.**
7. **Reduced maintenance and replacement parts costs.**
8. **Potential fuel economy benefits.**
9. **Less downtime.**
10. **Extended oil drain intervals.**

Synthetic Lube 50 E/A is approved by Eaton® for use in those RoadRanger (Fuller) transmissions that are covered by their 750,000 mile extended warranty.

Synthetic Lube 50 E/A meets and exceeds the following specifications and manufacturer's requirements: Eaton Transmission Division PS-164 (Rev-7), API MT-1, ArvinMeritor Automotive 0-81, Mack Truck TO-A Plus, International TMS 6816, Spicer and ZF Freedomline.

TD-742 (Rev 03/2010)

### TYPICAL PROPERTIES

SAE Grade	50
Specific Gravity 60°F/15.6°C	0.860
Viscosity @ 40°C cSt (ASTM D-445)	132
Viscosity @ 100°C cSt (ASTM D-445)	17.5
Viscosity @ -40°F/-40°C cP (ASTM D-2983)	104,000
Viscosity Index (ASTM D-2270)	146
Flash Point °F/°C (ASTM D-92)	430°/221°
Pour Point °F/°C (ASTM D-97)	<-45°/<-49°
Foam Test (ASTM D-892)	
Sequence I	Pass
Sequence II	Pass
Sequence III	Pass
Copper Strip Corrosion Test (ASTM D-130)	
3 hours @ 100°C/212°F	1a
3 hours @ 121°C/250°F	1a

Packaging: #742 Synthetic Lube 50 E/A is available in 420lb drums, 120lb kegs and 40 lb pails.