



# SYNPRO TRANSMISSION

(Premium PAO SAE 50, MT-1/GL-4 Transmission Lube)

The modern trucks have added catalytic converters and reduced transmission ventilation resulting in undercarriages having higher temperatures. As a result, operating temperatures in the transmissions have increased.

**SYNPRO TRANSMISSION OIL SAE 50** is second generation SAE 50 synthetic transmission oil which exceeds the oxidation stability of first generation synthetic transmission oils as well as conventional transmission oils. It dramatically reduces sludge, varnish and other deposits. It extends the oil life and drain interval up to 500,000 miles.

**SYNPRO TRANSMISSION OIL SAE 50** is specially formulated from synthetic base stocks and selected additives and inhibitors to protect bearings and synchronizers, reduce component wear, extend drain intervals and provide long, trouble free performance in heavy duty manual transmissions which require a non-EP gear or transmission lubricant. It offers a wide application temperature range, eliminating the need for seasonal oil changes. Its high viscosity index, low pour point and improved sub-zero flow properties provide superior wear protection for transmission gears at cold weather start-up, and maintain easy shifting.

**SYNPRO TRANSMISSION OIL SAE 50** reduces friction and drag in the transmission resulting in cooler operation than first generation synthetic 50 weight transmission oils, resulting in a potential for fuel economy.

**SYNPRO TRANSMISSION OIL SAE 50** is fully approved by Eaton and Meritor Automotive (formerly Rockwell International) for use in transmissions participating in the extended warranty programs. It is approved for 500,000-mile extended drain intervals.

## BENEFITS:

- MINIMIZES SLUDGE AND VARNISH DEPOSITS
- EXTENDS OIL DRAIN INTERVAL AND WARRANTY COVERAGE
- EXCELLENT COLD FLOW PROPERTIES
- REDUCES FRICTION AND PROTECTS COMPONENTS
- OFFERS ALL CLIMATE, YEAR-ROUND SERVICES

## APPLICATIONS:

**SYNPRO TRANSMISSION OIL SAE 50** is recommended for heavy-duty manual transmissions that specify a non-EP lubricant. It meets or exceeds the following requirements:

- Eaton Transmission Division PS-164 Rev 7 for extended drain interval.
- Arvin-Meritor O-81 (formerly Rockwell International)
- Extended warranty coverage at Eaton and Meritor Automotive, Inc.
- International TMS 6816 (formerly Navistar)
- API MT-1
- API GL-4
- Mack TO-A Plus

**SYNPRO TRANSMISSION OIL SAE 50** is compatible with seals, paints, coatings, plastic or metal parts, and other materials commonly used in automotive and fleet equipment. It is miscible with mineral oil based lubricants.



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### TYPICAL CHARACTERISTICS

SAE Grade	50
Product Code	40717
API Gravity (ASTM D-1298)	33.0
Specific Gravity (ASTM D-1298)	0.860
Pounds/gallon	7.16
Viscosity (ASTM D-445):	
cSt @ 40°C	132
cSt @ 100°C	17.5
SUS @ 100°F	678
SUS @ 210°F	89.9
Brookfield Viscosity (ASTM D-2893)	
cPs @ -40°C	104,000
Viscosity Index (ASTM D-2270)	146
Flash Point (ASTM D-92) °F (°C)	430 (221)
Channel Point (FTMS 3456), °F(°C)	Below -50 (-46)
Pour Point (ASTM D-97) °F (°C)	-49 (-45)
Copper Strip Corrosion (ASTM D-130)	
3 Hours @ 212 F	1a
3 Hours @ 250 F	1a

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.  
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