MTF

MANUAL TRANSMISSION FLUID

MTF (Manual Transmission Fluid) is recommended for use in heavy duty commercial vehicle components. Typical usage includes transmissions, transfer cases and wheel end hubs. Common applications older on-highway commercial vehicles, including heavy duty trucks and buses that are no longer covered by warranty from OEM's including Eaton, Mack, Meritor and International/Navistar.

TECHNICAL DATA SHEETS

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MTF SYNTHETIC

SAE 50

PRODUCT DESCRIPTION

MTF (MANUAL TRANSMISSION FLUID) SYNTHETIC is a full synthetic heavy-duty manual transmission fluid formulated for fuel efficiency, extended drain applications and severe operating conditions. MTF SYNTHETIC provides long lasting protection against wear, yellow metal corrosion and deposit formation for on-highway manual transmissions coupled with high horsepower engines in both high and low temperatures.

PERFORMANCE FEATURES

- Synthetic formula offers outstanding cold temperature performance
- Provide excellent performance in extended drain intervals
- Minimizes drag and gear wear during startup in cold weather conditions
- Greater shear stability in high-temperature conditions
- Provides excellent thermal and oxidation stability by resisting deposit and sludge formation

APPLICATIONS

MTF Synthetic is recommended for use in heavy duty commercial vehicle components. Typical usage includes transmissions, transfer cases and wheel end hubs. Common applications older on-highway commercial vehicles, including heavy duty trucks and buses that are no longer covered by warranty from OEM's including Eaton, Mack, Meritor and International/Navistar.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	TEST METHODS	SAE 50
Kinematic Viscosity cSt @ 40°C	ASTM D445	132
Kinematic Viscosity cSt @ 100°C	ASTM D445	17.5
Viscosity Index	ASTM D2270	146
Pour Point, °C	ASTM D97	-45°
Flash Point °C	ASTM D92	221
Brookfield Viscosity cP @ °C	ASTM D2983	99,800 @ -40°
Density, 15.6°C, g/ml	ASTM D4052	0.8540

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PERFORMANCE SPECIFICATIONS

MTF SYNTHETIC is approved and/or recommended and backed by Federated Co-operatives Limited Oil Guarantee for use in the following applications:

INDUSTRY/OEM	SPECIFICATIONS
API	MT-1
INTERNATIONAL/ NAVISTAR	TMS 6816
MERITOR	0-81

*Not for use in applications specifying Eaton's PS-386 specification.

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail co-op for further details.

PRODUCT SIZES	MTF SAE 50
18.9 L Pail	✓
208 L Drum	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

Please protect the environment when disposing of petroleum products. All products should be taken to an authorized collection facility or picked up by a qualified organization. This ensures the products will be disposed of in an environmentally sensitive manner. For additional information on used-oil recycling programs, please see the following:

- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.interchangerecycling.com
- Manitoba – www.usedoilrecyclingmb.com

CONTACT INFO

For more information on this or any other CO-OP® lubricant product, please contact your local retail co-operative or Federated Co-operatives Limited.

fuelteam@fcl.crs • business.crs

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CO-OP® PREMIUM LUBRICANTS

MTF EA SYNTHETIC

SAE 40

PRODUCT DESCRIPTION

MTF EA SYNTHETIC is a full synthetic Eaton PS-386 approved manual transmission lubricant. It is formulated for fuel efficiency, extended drain intervals, and severe service conditions in heavy duty commercial vehicle transmissions which require a non-EP transmission lubricant.

PERFORMANCE FEATURES

- Provides better fuel economy, up to 1.5% fuel economy improvement while maintaining excellent shear stability
- Enables high performance and extended drain capabilities
- Provides excellent thermal and oxidation stability by resisting deposit and sludge formation
- Supports superior performance in high and extreme low temperatures
- Provides protection from corrosion, foaming, rust and wear
- Ensures friction retention, friction durability, and excellent stability to maintain smooth transmission operations

APPLICATIONS

MTF EA Synthetic is recommended for use in heavy duty commercial vehicle components. Typical usage includes transmissions, transfer cases, and wheel end hubs. Common applications include on-highway commercial trucks, commercial line-haul, pick-up and delivery and charter buses. MTF EA SYNTHETIC is approved for use in many Eaton transmission models such as Endurant, Ultrashift plus, Fuller Advantage, and FR and RT Series transmissions. Consult your owners manual for correct recommendation prior to use.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	TEST METHODS	SAE GRADE 40
Kinematic Viscosity cSt @ 40°C	ASTM D445	95.10
Kinematic Viscosity cSt @ 100°C	ASTM D445	14.80
Viscosity Index	ASTM D2270	163
Brookfield Viscosity cP @ °C	ASTM D2983	51,900 @ -40°
Pour Point, °C	ASTM D97	-42°
Flash Point, °C	ASTM D92	238°
Density, 15.6°C, g/ml	ASTM D1298	0.8500

PERFORMANCE SPECIFICATIONS

MTF EA SYNTHETIC is approved and/or recommended and backed by Federated Co-operatives Limited Oil Guarantee for use in the following applications:

INDUSTRY/OEM	SPECIFICATIONS
API	MT-1
EATON	PS-386 (supersedes PS-164 Rev 7)
MACK	TO-A PLUS
MERITOR	O-81
NAVISTAR	MPAPS B-6816 TYPE II

EATON®

Eaton Approved Lubricant

PS-386 Synthetic Transmission Fluid

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	MTF EA SAE 40
18.9 L Pail	✓
1000 L Tote	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.interchangerecycling.com
- Manitoba – www.usedoilrecyclingmb.com

CONTACT INFO

For more information on this or any other CO-OP® lubricant product, please contact your local retail co-operative or Federated Co-operatives Limited.

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CO-OP® PREMIUM LUBRICANTS