



A HOLLYFRONTIER BRAND

# TECH DATA

## TRAXON™ SYNTHETIC MTF 75W-80

### INTRODUCTION

Petro-Canada's TRAXON Synthetic MTF 75W-80 is a premium performance, fuel efficient commercial vehicle manual transmission fluid/gear oil especially formulated for modern Synchronized Automated Manual Transmissions designed to deliver extended drain capability, long component life and optimal gear shifting.

TRAXON Synthetic MTF 75W-80 starts with the HT Purity Process to produce a 99.9% pure, crystal clear base oil. By removing the impurities that can hinder the performance of competitive conventional oils, and blending in specialty additives, the TRAXON gear oil family delivers maximum performance.

### FEATURES AND BENEFITS

This synthetic manual transmission gear lubricant provides superior year-round performance. It contains a unique anti-wear additive, as well as rust, oxidation and corrosion inhibitors to protect vital transmission and gear parts in severe load/speed, oxidation (temperature) and exceptional stay-in-grade performance.

#### All weather Protection

- Provides excellent low temperature performance fluidity and transmission shifting to minimize damage of vital gear and transmission parts during cold temperature start up
- Helps limit drag losses and reduces fuel consumption versus conventional 80W-90 / 75W-90 or higher viscosity grades

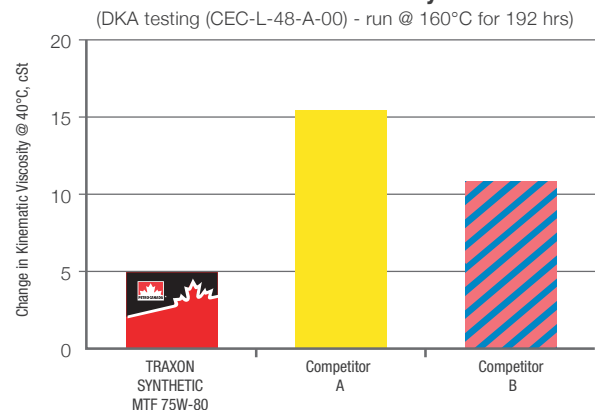
#### Long Life

- Provides extended drain capabilities for fewer oil change-outs and reduced maintenance costs and labour
- Helps reduce operating temperatures to reduce wear and tear on vital transmission and gear box components
- Excellent thermal and oxidation stability which resists deposits and sludge formation to reduce issues with transmission shifting, system efficiency and equipment functionality

#### Shear Stability

- Exceptional shear stability for outstanding stay in grade performance contributing to less transmission/gear wear and extended component life

#### Oxidation Stability



In the DKA oxidation test, product performance is measured by how much the viscosity of the oil can increase over time (therefore the lower the bar after 192 hrs, the better.) Compared to two leading competitors, TRAXON Synthetic MTF 75W-80 advanced formulation resists oil degradation and thickening better.



TRAXON Synthetic MTF 75W-80 shows excellent oxidation and thermal stability versus Competitor A as shown above. Indication of better surface cleanliness with reduced sludge and deposit demonstrates how it can help transmissions run at optimum efficiency.

## APPLICATIONS

TRAXON Synthetic MTF 75W-80 is recommended for extended drain service in heavy duty (class 6, 7, and 8) manual transmissions.

TRAXON Synthetic MTF 75W-80 is also suitable for transaxles, manual gearboxes, transfer boxes and final drives where an API GL-4 lubricant is specified.

It is suitable for use in Volvo I-Shift and Mack mDrive synchronized automated manual transmission applications and can be used in a range of existing and new vehicles using ZF transmissions, including those fitted with ZF-Intarders. Models include ASTronic, TC Tronic, Ecolite, Ecomid and Ecospilt.

TRAXON Synthetic MTF 75W-80 is suitable for use for Volvo STD 1273,07-97307. This transmission fluid is also intended for manual gearboxes of the G7/8, S, SR, SPO, AT and VT series designed by Volvo GTT which are used in normal applications up to an extended maximum 400,000 Km (250,000 mi) oil drain interval.

This product also meets or exceeds the performance requirements for:

- API GL-4
- DAF (See DAF SMF&L 201240 for suitability)
- IVECO (See ZF approvals for specific applicability)
- Approval for MAN 341 Typ Z4  
Suitable where Z1, Z2 and Z3 (obsolete) and Z5 (250,000 mile ODI) is called for
- Renault (Note Technique B0032/2 Annex 3)
- Suitable for use for EATON Europe (300,000 km/3 year) (obsolete)
- Suitable for use where Volvo STD 1273,05 (97305) and XXW-80 are called for (standard lower oil drain intervals)
- Approved against ZF TE-ML - 01L, 02L, 13 (where stipulates ZF TE-ML 02L), 16K (ZF 002286)
- Suitable for use against Bosch TE-ML 08
- Suitable for use in Voith Retarders, Class A and B

## TYPICAL PERFORMANCE DATA

Property	Test Method	TRAXON SYNTHETIC MTF 75W-80
Density, kg/L @ 15°C/60°F	ASTM D4052	0.855
Flash Point, COC, °C (°F)	ASTM D92	227 (440)
Kinematic Viscosity cSt @ 40°C (SUS @ 100°F) cSt @ 100°C (SUS @ 210°F)	ASTM D445	54.8 (131) 9.6 (49)
Brookfield Viscosity cP @ -40°C	ASTM D2983	49,800
Viscosity Index	ASTM D2270	160
Pour Point, °C / °F	ASTM D5950	-42 (-44)
Foaming characteristics Sequence 1 Sequence 2 Sequence 3	ASTM D892	0/0 10/0 0/0
Copper Corrosion 3 hr. @ 150°C /302°F	ASTM D130M	1b

The values quoted above are typical of normal production. They do not constitute a specification.

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Committed to the disciplined operation of our business.



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IM-8117E (2021.09)