

TRAXON™ E SYNTHETIC 75W-90, 80W-140, CD-50, MTF

Introduction

Petro-Canada's TRAXON E SYNTHETIC line of lubricants are formulated to meet the "Genuine Roadranger" extended drain and warranty performance requirements set by Eaton Corporation (for transmissions) and Dana CVSD Corporation (for axles).

TRAXON E SYNTHETIC 75W-90 and 80W-140 are heavy duty, extreme pressure, GL-5 gear lubricants recommended for use in:

- Manual transmissions requiring EP-type oils
- Transfer cases for heavy equipment, trucks and tractors

TRAXON E SYNTHETIC CD-50 and MTF are synthetic transmission lubricants recommended for use in:

- Heavy duty manual transmissions requiring non-EP oil and where API GL-5 performance is not required
- Severe service conditions
- Extended drain applications

Features and Benefits

TRAXON E SYNTHETIC 75W-90 and 80W-140

These products feature a high viscosity index and very low pour point, and contain extreme pressure additives. They are specially formulated to operate under a variety of load conditions and protect gears and bearings against rust, corrosion and oxidation.

- **Fuel Economy**
 - New and improved TRAXON E SYNTHETIC 75W-90 has demonstrated up to 1.5%* fuel efficiency benefits over the previous formulation

- **Long Life**

- Extremely high film strength, shear stability and proven anti-rust and anti-corrosion properties protects equipment longer providing reduced maintenance costs
- Exceptional resistance to oxidation provides long lubricant life extending drain intervals between change-outs for maximized oil life and less downtime

- **All-Season Protection**

- High viscosity indices and good low temperature flow properties provide superior protection over a wide range of temperatures for increased productivity
- Easier manual transmission shifting in sub-zero temperatures

TRAXON E SYNTHETIC MTF

This manual transmission lubricant provides superior year-round performance where a non-EP lubricant is required. It contains an anti-wear additive, as well as rust, oxidation and corrosion inhibitors to protect vital transmission parts in severe heat, oxidation and shear conditions.

- **Fuel Economy**

- New TRAXON E SYNTHETIC MTF has demonstrated up to 1.6%** fuel efficiency benefits over TRAXON E SYNTHETIC CD-50 fluid

- **Year Round Protection**

- Provides excellent high temperature performance and much improved pumpability and transmission shifting at colder temperatures for maximized uptime

* Fuel Economy (FE) claims are based on improvements noted in both Industry and fleet testing, including SAE J1321, J1376 & J1526, versus previous formulation.

**Fuel Economy (FE) claims are based on improvements noted in both SAE J1321 and fleet testing, versus TRAXON E SYNTHETIC CD-50.

- **Long Life**
 - Provides extended drain capabilities for less change-outs and reduced maintenance
 - Helps reduce operating temperatures
 - Excellent thermal and oxidation stability which resists deposits and sludge formation.
- **Shear Stability**
 - Exceptional shear stability for better stay in grade performance contributing to less gear wear

TRAXON E SYNTHETIC CD-50

This SAE 50 transmission lubricant provides superior year-round performance where a non-EP lubricant is required. It contains an anti-wear additive, as well as rust, oxidation and corrosion inhibitors to protect vital transmission parts in severe heat, oxidation and shear conditions.

- **Year Round Protection**
 - Provides excellent high temperature performance and easier cold weather shifting for maximized uptime
- **Less Transmission Friction and Drag**
 - Helps increase fuel economy
- **Long Life**
 - Provides extended drain capabilities for less change-outs and reduced maintenance

Eaton “Genuine Roadranger” Extended Drain and Warranty Specification

After analyzing in-service performance of components filled with synthetic lubricant, Eaton Corporation established a category that allows a 500,000-mile drain interval when the components are factory-filled with Eaton-approved synthetic lubricants. Petro-Canada’s TRAXON E SYNTHETIC 75W-90, TRAXON E SYNTHETIC 80W-140, TRAXON E SYNTHETIC CD-50 and TRAXON E SYNTHETIC MTF meet or exceed this specification and are approved for use in Eaton / Dana Equipment.

Please refer to Eaton’s website for complete details of equipment requiring “Genuine Roadranger” approved lubricants:

- Website (www.roadranger.com)
- TCMT0020 - Lubrication Guide (Eaton Approved Lubricant Suppliers)
- TCMT0021 - Product Specification Manual (Roadranger Lubricant Products)

Applications

TRAXON E SYNTHETIC 75W-90 and 80W-140

These products are recommended where heat and wear present major problems. These applications include:

- Manual transmissions where EP type lubricants are recommended by the manufacturer
- Transfer cases for heavy equipment trucks, tractors and industrial gear drives
- Light duty trucks and farm machinery

Both products meet or exceed the performance requirements for:

- API Service Classifications GL-5 and MT-1
- Dana CVSD SHAES 256 Rev C and SHAES 429. Approved for Roadranger 750,000 mile extended warranty programs with 500,000 mile drain intervals
- International TMS 6816
- MIL-L-2105D / MIL-PRF-2105E / SAE J2360 In addition, these products meet or exceed:

75W-90

- Meritor O-76-N
- Mack GO-J Plus

80W-140

- Meritor O-76-B, O-80
- Mack GO-J

TRAXON E SYNTHETIC MTF

TRAXON E SYNTHETIC MTF is recommended for extended drain and severe service in heavy duty (class 6, 7, and 8) manual transmissions requiring a non-EP lubricant. TRAXON E SYNTHETIC MTF is backwards serviceable to Eaton PS-164 Rev 7 and can top-up existing units filled with TRAXON E SYNTHETIC CD-50.

This product meets or exceeds the performance requirements for:

- API MT-1
- Eaton PS-386
- Approved for use in Eaton transmissions such as UltraShift Plus, Fuller Advantage Series (FAS), FR and RT Series
- Extended warranty coverage at Eaton Corporation (500,000 miles)
- Mack TO-A PLUS
- International TMS 6816 / Navistar MPAPS B-6816 Type II

TRAXON E Synthetic CD-50

TRAXON E CD-50 is recommended for extended drain and severe service in heavy duty (class 6, 7, and 8) manual transmissions requiring a non-EP lubricant. This product meets or exceeds the performance requirements for:

- AP1 MT-1
- Eaton PS-164 Rev 7 (superseded by PS-386)
- Extended warranty coverage at Eaton Corporation (500,000 miles)
- Mack TO-A PLUS
- International TMS 6816 / Navistar MPAPS B-6816 Type I
- ZF Freedom Line (ZF-AS Tronic)
- Volvo 97305

Typical Performance Data

PROPERTY	TEST METHOD	TRAXON E SYNTHETIC			
		75W-90	80W-140	MTF	CD-50
SAE Viscosity Grade		75W-90	80W-140	—	50
Density, kg/L @ 15°C/60°F	ASTM D4052	0.888	0.902	0.850	0.860
Flash Point, COC, °C (°F)	ASTM D92	215 (419)	200 (392)	238 (460)	221 (430)
Kinematic Viscosity cSt @ 40°C (SUS @ 100°F) cSt @ 100°C (SUS @ 210°F)	ASTM D445	103 (528) 15.0 (79.5)	284 (1476) 30.6 (149.3)	95.1 (485) 14.8 (78.6)	132.0 (679) 17.5 (90.0)
Brookfield Viscosity cP @ -18°C cP @ -26°C cP @ -30°C cP @ -40°C	ASTM D2983	5,850 — — 90,000	47,175 71,200 — —	— — — 51,900	— — 24,550 104,000
Viscosity Index	ASTM D2270	152	146	163	146
Pour Point, °C (°F)	ASTM D5950	-51 (-60)	<-40 (<-40)	-42 (-44)	<-45 (<-49)
Foaming characteristics Sequence 1 Sequence 2 Sequence 3	ASTM D892	0/0 5/0 0/0	0/0 0/0 0/0	20/0 30/0 10/0	10/0 25/0 10/0
Copper Corrosion 3 hr. @ 121°C/250°F	ASTM D130M	1a	1b	1b	1a

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

To order product or to learn more about how Petro-Canada Lubricants
can help your business visit: **lubricants.petro-canada.com**
or contact us at: **lubecsr@petrocanadalsp.com**



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