

Petro-Canada TechData



GM DEXRON®-III “APPROVED FOR H SPECIFICATION” FORD MERCON® AUTOMATIC TRANSMISSION FLUID

Introduction

Petro-Canada DEXRON®-III/MERCON® ATF is the latest transmission fluid recommended for automatic, powershift and hydrostatic transmissions used on most vehicles. It is fully approved against General Motors latest DEXRON®-III “H” Service Fill specification and Ford requirements for MERCON®.

Petro-Canada DEXRON®-III/MERCON® ATF is formulated with Petro-Canada’s 99.9% pure Purity* Base Oils manufactured using the patented HT Purity Process and a leading-edge additive system. This combination provides you with an automatic transmission fluid that has the same product performance as the fluid that is in your vehicle when it comes off the assembly line. This means providing you with an Automatic Transmission Fluid with longer service life thereby increasing your productivity due to less maintenance downtime and avoidance of costly transmission repair bills.

Features and Benefits

- **Exceptional oxidation and thermal stability giving you a fluid that stays like new longer**
 - Lasts 160,000 km (100,000 miles) under normal driving conditions
 - Extends transmission life
 - Improves fuel economy
- **Outstanding fluidity at low temperatures**
 - Allows cold weather start-ups at temperatures down to -36°C / -33°F
 - Reduces transmission wear during cold weather starting
 - Provides smooth gear shifting during low temperature operation
- **Superior anti-wear protection**
 - Reduces wear on bearings, bushings and gears
 - Extends transmission life

- **Optimized frictional properties**

- Gives smooth gear shifts throughout fluid life
- Prevents clutch shudder in modulated torque converters
- Clutch plates and bands last longer

Applications

Petro-Canada DEXRON®-III/MERCON® ATF is recommended for automatic, powershift and hydrostatic transmissions used on most cars, trucks and off-highway vehicles. It also gives excellent performance when used as a hydraulic fluid in mobile equipment.

Petro-Canada DEXRON®-III/MERCON® ATF meets the following manufacturer’s requirements:

- General Motors ATF specifications including DEXRON®-III “Approved for H Specification”, DEXRON®-IIE, DEXRON®-II, DEXRON®, Type “A” and Type “AA” dating back to 1949
- Ford ATF Specifications including MERCON® dating back to 1980
- Mercedes-Benz requirement 236.1
- Allison C-4 and V-730D
- Caterpillar T0-2
- Clark Powershift transmissions
- Renke, & Voith transmissions
- Hydraulic systems manufactured by Vickers, Haggblunds-Denison, Racine, Rexnord and Sundstrand
- Power Steering units on most vehicles

However, it should **NOT** be used where a “**Type F**” fluid is recommended. Consult your vehicle owner’s manual for specific recommendations.

What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



Typical Performance Data

PROPERTY	TEST METHOD	DEXRON®-III/MERCON® ATF
Density, kg/l @ 15°C	D4052	0.865
Colour	-	Red
Flash Point, °C / °F	D92	185 / 365
Viscosity cSt @ 40°C (SUS@100°F) cSt @ 100°C (SUS@210°F)	D445	34.0 / 171 7.7 / 51.8
Viscosity Index	D2270	210
Pour Point, °C / °F	D97	-51 / -60
Brookfield Viscosity cP @ -20°C cP @ -30°C cP @ -40°C	D2983	990 3,000 12,100
Sulphated Ash, % wt	D874	0.1
Total Base No.	D2896	1.1
Qualification Numbers General Motors Ford Allison	- - -	H-36001, 9985912 M-930104 C-4 18391693
Product Identification Code		DEXRON
Available Package Size		Bulk, 205L Drum, 20L Pail, 1L

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

Health and Safety

Petro-Canada DEXRON®-III/MERCON® ATF has no adverse affect on health provided it is used as directed. To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada DEXRON®-III/MERCON® ATF, or any other product in our complete line of quality lubricants, please contact us at:

Petro-Canada
Lubricants Centre
385 Southdown Road
Mississauga, Ontario
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