

DURADrive™ MV SYNTHETIC AUTOMATIC TRANSMISSION FLUID MULTI-VEHICLE ATF



Introduction

Petro-Canada DuraDrive™ MV Synthetic Automatic Transmission Fluid (ATF) is our best multi-vehicle ATF. This full synthetic formulation offers true multivehicle performance, outstanding wear protection, and exceptional fluid life. DuraDrive MV Synthetic provides the frictional properties, wear protection and viscometrics needed by most major North American, Asian, and European automatic transmissions. It is specially formulated to provide consistent shift feel and transmission protection over a long fluid life. DuraDrive MV Synthetic's benefits include excellent oxidation and shear stability, outstanding wear protection, and exceptional low temperature fluidity. It also provides industry leading anti-shudder durability (ASD) and frictional stability; exceeding the performance of many genuine OEM fluids.

DuraDrive MV Synthetic ATF uses Petro-Canada's 99.9% pure, crystal clear PURITY™ VHVI synthetic base oils. Used in combination with leading edge additive technology this allows DuraDrive MV Synthetic to retain its "fresh oil" properties longer, thereby delivering superior performance and superior savings. DuraDrive MV Synthetic also provides savings through inventory consolidation by offering true multi-vehicle performance.

Features and Benefits

- **Excellent resistance to oxidative and thermal breakdown**
 - Prevents corrosion and the formation of harmful sludge and deposits. Keeps transmissions clean & functioning properly
 - Protects clutches from glazing
 - Passes General Motor's Oxidation Test (GMOT) and Ford's Aluminum Beaker Oxidation Test (ABOT) illustrating superior oxidation resistance
- **Exceptional low / high temperature fluidity**
 - Delivers quick lubrication of transmission components in cold weather
 - Maintains desired viscosity & oil film strength in high temperature operation
- **Earlier drive away and smooth gear shifting during low temperature operation**
- **Efficient heat removal from clutch surfaces, extends clutch life**
- **Outstanding anti-wear protection**
 - Reduces wear on bearings, bushings and gears
 - Extends transmission life
 - Suitable for heavy loading & high operating temperatures
- **Outstanding anti-shudder durability and stable friction properties**
 - Excellent shift quality throughout service life
 - Avoids vehicle shudder while stopped
 - Maintains transmission efficiency & fuel economy
 - High torque capacity avoids clutch slippage & wear
 - Prevents clutch shudder in modulated torque converters
 - Clutch plates and bands last longer
- **Compatible with all transmission seal materials**
 - Helps to maintain seal integrity and prevent leaks

What is the HT difference?

Petro-Canada starts with the 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.



Applications

Petro-Canada DuraDrive MV Synthetic ATF is suitable for use in a wide range of North American, Asian, and European automatic transmissions.

- Fully approved against MERCON® -V (legacy licence M5080701)
- Exceeds JASO 1A requirements
- Suitable for use where the following OEM specifications are recommended:
 - **GM:** DEXRON® -II, DEXRON-III
 - **Ford:** MERCON, MERCON-V, FNR5
 - **Toyota:** T, T-II, T-III, T-IV, WS
 - **Honda:** Z1, DW-1
 - **Hyundai/Kia/Mitsubishi:** SP-II, SP-III, SP-IV, J2, SPH-IV, SP-IV-RR, NWS-9638, Kia Red-1
 - **Nissan:** Matic D, J, K, S, 402
 - **Mazda:** M-III, M-V

- **Mercedes Benz:** 236.1/.2/.3/.5/.6/.7/.9/.10/.11/.12/.14/.15/.41/.8/.81
- **Saab:** 93 165 147
- **Saturn:** Saturn ATF
- **Subaru:** Subaru ATF, ATF-HP
- **Suzuki:** 3314, 3317
- **BMW:** 7045E, LA2634, LT71141, P/N 83 22 0 142 516, P/N 83 22 2 152 426

- **VW/Audi:** G 052 162, G 052 990, G 055 025, G 055 005, G 055 162, G 060 162
- **Volvo:** pass car 4-6 speed, 97340, 97341
- NOT recommended for CVT and DCT transmissions or when a non-friction modified fluid is recommended (e.g. Ford Type F).
- Always consult the vehicle owner's manual for specific transmission fluid recommendations.

Typical Performance Data

PROPERTY	ASTM TEST METHOD	DuraDrive MV Synthetic ATF
Density, kg/l @ 15°C (60°F)	ASTM D4052	0.852
Colour	Visual	Red
Flash Point, °C / °F	ASTM D92	206 (403)
Pour Point, °C / °F	ASTM D5950	-54 (-65)
Viscosity, cSt @ 40°C / (SUS @ 100°F) cSt @ 100°C / (SUS @ 210°F)	ASTM D445	36.1 (183) 7.4 (51)
Viscosity Index	ASTM D2270	178
Brookfield Viscosity, cP @ -40°C (-40°F)	ASTM D2983	11,538
Qualification Numbers Ford	—	MERCON® -V M5080701
Product Identification Code		DDMVATF

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

Health and Safety

To obtain Material Safety Data Sheet (MSDS), contact one of Petro-Canada's TechData Info Lines.



TechData Info Lines

To place an order, please call a Customer Order Management Representative at :

Canada (English) Phone 1-800-268-5850
(French) Phone 1-800-576-1686
United States Phone 1-877-730-2369
Latin America Phone +1-416-730-2369
Europe Phone +1-416-730-2389
Asia Phone +1-416-730-2372
China Phone +86 (21) 6362-0066

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at :

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Beyond today's standards.

