



Havoline® Multi-Vehicle ATF

Premium performance multipurpose automatic transmission fluid

Product description

Havoline Multi-Vehicle ATF is a premium performance multipurpose automatic transmission fluid formulated for use in passenger car and heavy duty truck and bus automatic transmissions. It is suitable for service fill of many transmissions manufactured by European, North American and Asian OEMs.

Havoline Multi-Vehicle ATF is formulated with premium quality severely hydroprocessed base stocks combined with an advanced additive system designed to promote oxidation and thermal stability, friction control, load-carrying ability, corrosion and wear protection. Havoline Multi-Vehicle ATF also offers protection against the formation of harmful sludge, varnish and other deposits, as well as foam.

Customer benefits

- Advanced formulation offers protection against gear, bearing and clutch wear and corrosion, helping reduce maintenance costs
- Offers robust protection against sludge, lacquer and harmful deposit formation, aiding keep-clean system performance
- Premium base stock in combination with anti oxidation additive system offers long fluid service life
- Friction modifier technology promotes smooth shifting, efficient power transfer, and anti-shudder protection
- Low temperature fluidity and rapid circulation in cold weather start-up contributes to reliable system wear protection
- Compatible with a wide range of seal elastomers helping prevent fluid loss due to seal deterioration
- Robust corrosion inhibitor performance offers reliable transmission fluid cooler protection

Product highlights

- **Protection against gear, bearing and clutch wear**
- **Sludge, lacquer and harmful deposit resistance**
- **Long fluid service life**
- **Smooth shifting, efficient power transfer, and anti-shudder protection**
- **Rapid circulation in cold weather start-up**
- **Transmission fluid cooler protection**

Selected specification standards include:

Allison	Bosch
Chrysler	Ford
GM	Honda
Hyundai/Kia/Mitsubishi	JASO
MAN	Mercedes-Benz
Nissan	Toyota
Voith	Volkswagen
Volvo	ZF

Applications

- Havoline Multi-Vehicle ATF is suitable for many transmissions manufactured by European, Asian and North American OEMs
- Havoline Multi-Vehicle ATF is recommended for applications that call for the former DEXRON®-III, MERCON® and Allison C-4 fluids, as well as for ZF and Voith requirements. Havoline Multi-Vehicle ATF has passed the JASO 1A standard tests for performance in Japanese vehicles. The product will offer the shifting performance and anti-shudder durability required by Japanese and Korean automakers
- In addition to the performance standards listed below, Havoline Multi-Vehicle ATF may be used as a replacement for the following fluids:
 - Esso LT 71141
 - Idemitsu K17
 - Shell ATF 3403 M-115
 - Texaco ATF 402
- Havoline Multi-Vehicle ATF is not suitable for a limited number of special applications. For example:
 - Ford transmissions manufactured before 1977 and some pre-1982 transmissions require an M2C33-F/G fluid (ATF formulated without friction modifier)
 - Vehicles with continuously variable transmissions (CVTs) require special fluids
- Always check your owner's manual to determine the proper automatic transmission fluid for your vehicle

Approvals, performance and recommendations

Approvals

- MAN 339 Type V1 ^[1]
- MAN 339 Type Z2 ^[1]
- MAN 339 Type L1 ^[1]
- Mercedes-Benz MB-Approval 236.9
- Voith H55.6335.xx
- Volvo 97341 ^[2]
- ZF TE-ML 03D ^[3]
- ZF TE-ML 04D ^[3]
- ZF TE-ML 14B ^[3]
- ZF TE-ML 16L ^[3]
- ZF TE-ML 17C ^[3]

Performance

- JASO 1A

Recommendations

- Allison C4 ^[4]
- Bosch TE-ML 09 ^[5]
- Chrysler ATF+4
- Ford Mercon ^[4]
- Ford Mercon V ^[6]
- GM DEXRON-IIIH ^[4]
- Honda ATF-Z1
- Hyundai/Kia/Mitsubishi Diamond SP-III
- Mercedes-Benz MB 236.6
- Mercedes-Benz MB 236.11
- Nissan MATIC-J
- Nissan MATIC-K
- Toyota Type T-III
- Toyota Type T-IV (JWS 3309)
- Volkswagen G 052 990

^[1] MAN approval number: TUC 0709/11

^[2] Volvo approval number: 97341:047.

^[3] ZF approval number: ZF001714.

^[4] Obsolete specification

^[5] List formerly administered by ZF. Products meeting the necessary performance requirements are approved for use, but there is no product listing.

^[6] Havoline Multi-Vehicle ATF does not meet the MERCON V Brookfield viscosity specification at -40°C. Nevertheless, Chevron warrants this product for applications specifying MERCON V in accordance with the terms of Chevron's standard Limited Product Warranty. For vehicles with transmissions still under warranty, customers should be cautioned that use of non-licensed MERCON V may impact such warranty.

Typical test data		
Test	Test methods	Results
Shelf Life: 60 months from date of filling indicated on the product label.		
Appearance	Visual	Red
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	7.3
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	37
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	18,400
Viscosity Index	ASTM D2270	169
Density, 15°C, kg/l	ASTM D1298	0.863
Flash Point COC, °C	ASTM D92	198
Pour Point, °C	ASTM D5950	-53

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheets.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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