



# Havoline® Multi-Vehicle ATF

## Multipurpose Automatic Transmission Fluid

Product Data Sheet

### Customer benefits

- **Controlled inventory cost**  
One ATF can be used for most pre-2006 automatic transmission design, and helps eliminate the need for supplemental additives or top treats which may harm the transmission.
- **Maximizes equipment life**  
Advanced formula protects against gear, bearing and clutch wear, corrosion, and the formation of lacquers, sludge, or other harmful deposits, and foam. Low temperature fluidity and rapid circulation in cold weather start-up contributes to reliable system wear protection.
- **Long oil life**  
Premium hydrocracked base oils and extra oxidation inhibitors provide exceptional thermal stability and oxidation resistance resulting in maximum service life. Stable viscosity index improves provide enhanced protection against viscosity breakdown at high temperatures.
- **Smooth operation**  
Carefully chosen friction modifiers allow for smooth shifting, efficient power transfer, and anti-shudder protection.

### Applications

Havoline® Multi-Vehicle ATF is recommended for applications that call for the former DEXRON®-III and Allison C-4 fluids,<sup>1</sup> and it meets MAN, Mercedes Benz, Voith, Volvo and ZF requirements. It may also be used in MERCON® and MERCON® V applications.<sup>2</sup>

Havoline® Multi-Vehicle ATF has passed the JASO 1A standard tests for performance in Japanese vehicles. The product will deliver the shifting performance and exceptional anti-shudder durability which is desired by Japanese and Korean automakers for passenger cars, SUVs, vans and pick-up/light trucks.

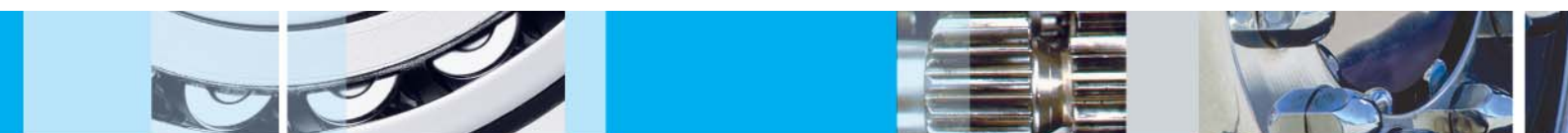
### Product features:

High performance, multipurpose automatic transmission fluid (ATF) formulated in hydrocracked base oils which provide outstanding oxidation resistance and anti-shudder durability protection. Specially formulated to meet the fluid needs of a broad range of light duty and heavy duty automatic transmissions fitted with or without torque converter lock-up clutch.

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In addition to the performance standards listed below, Havoline® Multi-Vehicle ATF may be used as replacement in out-of-warranty vehicles for the following fluids:

- Apolloil ATF Red-1K
- Esso Type LT 71141 ATF
- Idemitsu K17
- Shell ATF 3403-M115, M-1375.4, LA2634
- Texaco ATF N402, ETL-7045E, ETL-8072

*Always check your owner's manual to determine the proper automatic transmission fluid for your vehicle.*

Havoline® Multi-Vehicle ATF is not suitable for a limited number of ATF applications (these transmission types require special fluids), such as:

- Not for use in Ford transmissions manufactured before 1977 and some pre-1982 transmissions that require M2C33 Type F or Type G fluids (no friction modifier).
- Not for use in vehicles with continuously variable transmissions (CVTs).
- Not for applications requiring, JASO M315 Type 1-A LV, Toyota Type WS, Honda DW-1, Hyundai ATF SP IV, Nissan Matic S, DEXRON®-VI and Ford MERCON® LV and SP. Instead, use Havoline® Synthetic Automatic Transmission Fluid Multi-Vehicle DEXRON®-VI.

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<sup>1</sup> DEXRON® is a registered trademark of General Motors Corporation.

<sup>2</sup> MERCON® is a registered trademark of Ford Motor Company. Although Havoline® Multi-Vehicle ATF is suitable for use in transmissions that require MERCON® and MERCON® V fluids, this product is not officially licensed or approved by Ford for such applications and its use may void Ford's warranty. For applications that require a MERCON® V licensed product, please use Chevron ATF MERCON® V.



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### Performance Standards

Havoline® Multi-Vehicle ATF has the following qualifications:

- Voith H55.6335.xx (G607 List) / DIWA SB 013 and 118 (approved)
- Volvo 97341 (Volvo Transmission Oil approval no. 97341:048)
- ZF TE-ML 03D, 04D, 14B, 16L, 17C (approved)
- MAN 339 Typ V1, Typ Z2 (approval no. TUC 0708/11)
- MB-Approval 236.9
- JASO M315 Type 1-A (meets requirements)

Havoline® Multi-Vehicle ATF is suitable for use in most pre-2006 transmission design manufactured by European, Asian and North American OEMs, which includes the following applications:

- Allison C-4
- BMW Part #83 22 0 403 249
- Chrysler ATF+4® (MS-9602)
- DEXRON®-II and DEXRON®-III
- Honda/Acura ATF-Z1
- Hyundai/KIA/Mitsubishi Diamond SP-II, SP-III
- Isuzu Genuine ATF
- MB sheet 236.6, 236.11
- Ford MERCON® and MERCON® V
- Nissan Matic J, Matic K
- Toyota/Lexus Type T, T-III, JWS 3309/Type T-IV
- Audi/VW 052 989, Part # G 052 025
- Volvo Part # 1161540-8



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## Key properties

HAVOLINE MULTI-VEHICLE ATF KEY PROPERTIES	RESULTS
<b>Product Code</b>	<b>510138</b>
<b>Color</b>	Red
<b>Density, 15°C, kg/l</b>	0.863
<b>Pour Point, °C</b>	-53
<b>Flash Point, COC, °C</b>	198
<b>Viscosity, Brookfield</b> mPa.s @ -40°C	18 400
<b>Viscosity, Kinematic</b> mm <sup>2</sup> /s @ 40°C	36.6
mm <sup>2</sup> /s @ 100°C	7.3
<b>Viscosity Index</b>	169

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit [www.caltexoils.com](http://www.caltexoils.com).

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)

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