



# HAVOLINE® MULTI-VEHICLE ATF

## PRODUCT DESCRIPTION

Formulated to meet the fluid needs of a broad range of automatic transmissions.

## CUSTOMER BENEFITS

Havoline® Multi-Vehicle ATF delivers value through:

- **Controlled inventory cost** — One ATF can be used for most pre-2006 automatic transmissions and helps eliminate the need for supplemental additives or top treats which may harm the transmission.
- **Maximum equipment life** — Advanced formula protects against wear, corrosion, and the formation of lacquers, sludge, or other harmful deposits.
- **Long oil life** — Premium base oil and extra oxidation inhibitors result in maximum oil service life.
- **Smooth operation** — Carefully chosen friction modifiers allow for smooth shifting, efficient power transfer, and anti-shudder protection.

## FEATURES

Havoline Multi-Vehicle ATF is an advanced technology, high performance, multipurpose power transmission fluid. In addition, it is suitable for service fill of many transmissions manufactured by North American, Asian, and European OEMs.

It is formulated with premium, severely hydroprocessed base stocks and carefully crafted additives that help provide oxidation and thermal stability, friction control, load-carrying ability, corrosion and wear protection. It helps protect against the formation of sludge, varnish, other harmful deposits, and foam.

Havoline Multi-Vehicle ATF has exceptional low temperature flow properties and enhanced protection against viscosity breakdown at high temperatures. It also has exceptional oxidation and thermal stability, resulting in maximum service life.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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Under severe operating conditions, this fluid:

- Maintains friction control for smooth shift action and protection against shudder.
- Retains high temperature viscosity resulting in maximum oil film thickness and excellent wear protection.
- Helps minimize the chances of a transmission overhaul due to sludge, corrosion, or wear of gears, bearings, and clutches.

## 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 **Voith**, **Volvo** and **ZF** requirements. It may also be used in MERCON® and MERCON® V applications.<sup>2</sup>

Havoline Multi-Vehicle ATF is recommended for most pre-2006 transmissions manufactured by European, Asian and North American OEMs, which includes the following applications:

- **Allison** C-4
- **Apolloil** ATF Red-1K
- **BMW** Part #83 22 0 403 249
- **DEXRON**-II and **DEXRON**-III
- **Esso** Type LT 71141 ATF
- **Honda/Acura** ATF-Z1
- **Idemitsu** K17
- **Isuzu** Genuine, SCS
- **KIA/Mitsubishi** Diamond SP-II, SP-III

- 1 DEXRON is a registered trademark of General Motors Corporation.
- 2 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.

1 May 2015  
TTF-110

- MB 236.9
- MERCON and MERCON V
- **Nissan** Matic J, Matic K
- Texaco 7045-E, ETL-8072 B and N402
- **Toyota/Lexus** Type T, JWS 3309/Type T-IV
- **Volvo** Part #1161540-8
- **VW** Part #G 052 025

Havoline® Multi-Vehicle ATF has the following qualifications:

<b>Voith</b>	H55.6335.xx (G607)
<b>Volvo</b>	Volvo Transmission Oil 97341:048
<b>ZF</b>	TE-ML 03D, 04D, 14B, 16L, 17C

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.

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 special applications, such as:

- Ford transmissions manufactured before 1977 and some pre-1982 transmissions require a Type F fluid such as Havoline ATF Type F (no friction modifier).
- Do not use Havoline Multi-Vehicle ATF in vehicles with continuously variable transmissions (CVTs). These transmission types require special fluids.

### CONSUMER ADVISORY CONCERNING ATF SUPPLEMENTS

Multi-Vehicle ATF supports OEM service drain intervals with premium automatic transmission protection. Some automotive service providers use a combination of a regular DEXRON®-III-type ATF, such as Havoline ATF MD-3, plus a supplement or top treat mixed in. This practice can compromise the protection of an automatic transmission, for example:

- Car manufacturers warn against the use of supplements.
- ATF supplements can lead to accelerated gear wear.
- ATF supplements or top treats can promote corrosion of transmission bearings.

- ATF supplements or top treats can adversely affect cold temperature start-up performance.
- Smooth shifting becomes rough much sooner with top treats in standard testing versus Multi-Vehicle ATF.

Supplements or top treat technologies provide a temporary benefit and then can often fall short in product performance prior to the next change interval. Top treat technologies may not provide sustainable ATF performance and protection, specifically in anti-shudder durability performance, corrosion protection, cold temperature start-up protection and gear wear protection compared to Multi-Vehicle ATF. To find an ATF that meets your vehicle requirements, consult your owner's manual and avoid top treats and supplements.

### TYPICAL TEST DATA

<i>Product Number</i>	<i>222130</i>
<i>SDS Number</i>	<i>13642</i>
API Gravity	32.6
Viscosity, Kinematic cSt at 40°C cSt at 100°C	36.6 7.3
Viscosity Index	169
Flash Point, °C(°F)	198(388)
Pour Point, °C(°F)	-53(-63)
Color	Red

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.