



Havoline® Full Synthetic Multi-Vehicle ATF

Premium performance synthetic multi-vehicle automatic transmission fluid

Product description

Havoline Full Synthetic Multi-Vehicle ATF is a premium performance synthetic multi-vehicle automatic transmission fluid which is recommended for passenger car automatic transmission systems with six or more forward gears.

Havoline Full Synthetic Multi-Vehicle ATF is designed for use in a wide range of vehicles manufactured by European, Japanese and North American manufacturers and approved by General Motors for automatic transmissions and transaxles where a DEXRON®-VI fluid is specified. This latest generation technology exhibits more than twice the durability and stability in friction tests compared to standard DEXRON-III fluids, which helps ensure consistent and smooth shift performance, even under extreme driving conditions.

Havoline Full Synthetic Multi-Vehicle ATF is formulated with high purity synthetic base stocks. It is designed to maintain its viscosity through robust oxidation stability and use of long-lasting viscosity modifiers.

Customer benefits

- Can be used in a wide range of modern automatic transmissions without supplemental additives or top treats, minimising inventories
- Maintains friction control; offering smooth, consistent gear shifting and protection against shudder
- Wide temperature operation with minimal shear-down offers sufficient viscosity at high temperatures throughout its service lifetime
- Advanced formula helps protect gears, bearings, clutch plates, seals, bushings and other components, optimising equipment life

Product highlights

- **Can be used in a wide range of modern automatic transmissions**
- **Offers smooth, consistent gear shifting and shudder control**
- **Wide temperature operation**
- **Advanced formula helps protect gears and bearings**
- **Formulated for extended drain intervals**
- **Designed for enhanced fuel economy**

Selected specification standards include:

Aisin Warner	BMW
FCA US LLC	Ford
General Motors	Honda/Acura
Hyundai/Kia	Isuzu
JASO	Mazda
Mercedes-Benz	Mitsubishi
Nissan/Infiniti	Subaru
Toyota/Lexus	Voith
Volkswagen/Audi	Volvo

- Improved oxidation resistance offers extended drain intervals and helps prevent lacquer, sludge and other harmful deposit formation
- Designed for enhanced fuel economy relative to conventional fluids due to lower viscous drag

Applications

- Havoline Full Synthetic Multi-Vehicle ATF has been formulated for and tested in a wide variety of automatic transmissions, in applications linked to both high- and low-viscosity specifications. It is approved by General Motors in automatic transmissions and automatic transaxles where a DEXRON®-VI fluid is specified (Model Years 2006 and newer) and is backward compatible in transmissions calling for DEXRON-II or DEXRON-III fluids
- Havoline Full Synthetic Multi-Vehicle ATF meets the requirements of the JASO 1A-LV13 (M315) performance standard; the product will deliver the shifting performance, shear stability and anti-shudder durability which is desired by Japanese and Korean automakers
- Havoline Full Synthetic Multi-Vehicle ATF is suitable for use in hybrid vehicles with electronic continuously variable transmissions (eCVTs) where the OEM specifies a MERCON LV or a Toyota Type WS fluid. It is not suitable for belt- or chain-driven continuously variable transmission (CVT) applications

Always check your vehicle's manual to confirm that the product is consistent with the original equipment manufacturers' recommendations, taking into account the operating conditions and maintenance practices.

Approvals, performance and recommendations

Approvals

- General Motors DEXRON-VI (GMN10060) ^[1]
- Voith H55.6335.xx

Performance

- BMW Part #83 22 0 397 114
- FCA US LLC Part #68043742AA [Fiat Chrysler Automobiles]
- JASO 1A-LV13 (M315)
- Mercedes-Benz MB 236.41

Recommendations

- Aisin Warner AW-1
- FCA US LLC ATF+3 ^[2] [Fiat Chrysler Automobiles]
- FCA US LLC ATF+4 ^[2] [Fiat Chrysler Automobiles]
- Ford Mercon ^[3]
- Ford Mercon V ^[3]
- Ford Mercon SP ^[3]
- Ford Mercon LV ^[3]
- GM DEXRON-II ^[4]
- GM DEXRON-III ^[4]
- Honda/Acura DW-1
- Honda/Acura Z-1
- Hyundai/Kia Genuine ATF
- Hyundai/Kia SP-II
- Hyundai/Kia SP-III
- Hyundai/Kia SP-IV/ SPH-IV
- Hyundai/Kia NWS-9638 T-5
- Isuzu SCS
- Isuzu Genuine ATF
- Mazda ATF M-III
- Mazda ATF M-V
- Mitsubishi ATF-J2
- Mitsubishi ATF-J3
- Mitsubishi SP-II
- Mitsubishi SP-III
- Mitsubishi SP-IV
- Nissan/Infiniti MATIC-D
- Nissan/Infiniti MATIC-J
- Nissan/Infiniti MATIC-K
- Nissan/Infiniti MATIC-S
- Subaru ATF
- Subaru ATF-HP
- Subaru ATF 5AT
- Toyota/Lexus Type T-III
- Toyota/Lexus Type T-IV (JWS 3309)
- Toyota/Lexus Type WS
- Volkswagen/Audi Part #G 055 540 (A2)
- Volvo Part No. 1161521
- Volvo Part No. 1161540/1161640

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Havoline® Full Synthetic Multi-Vehicle ATF – Continued

- [1] GM license number J-62300. DEXRON is a registered trademark of General Motors Corporation.
- [2] ATF+3 and ATF+4 are registered trademarks of FCA US LLC (formerly known as Chrysler Group LLC).
- [3] Although Havoline Full Synthetic Multi-Vehicle ATF is suitable for use in transmissions that require MERCON, MERCON V, MERCON LV and MERCON SP fluids, this product is not officially licensed or approved by Ford for such applications and its use may void Ford's warranty. MERCON is a registered trademark of Ford Motor Company.
- [4] Obsolete specification. DEXRON is a registered trademark of General Motors Corporation.

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	6.0
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	30.6
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	11,700
Viscosity Index	ASTM D2270	147
Density, 15°C, kg/l	ASTM D1298	0.849
Flash Point COC, °C	ASTM D92	217
Pour Point, °C	ASTM D97	-54

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 Sheet's.

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). MSDS's 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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