



Havoline® Full Synthetic Multi-Vehicle ATF

Product Data Sheet

Product description

Havoline Full Synthetic Multi-Vehicle ATF is a premium synthetic transmission fluid with a low viscosity formulation, superior friction control and dependable protection for use in most 6+ speed automatic transmissions. It is approved by General Motors for use in transmissions and transaxles requiring DEXRON®-VI, and it exceeds the JASO 1A-LV requirements. It has been tested for use in many vehicles manufactured by North American, European and Asian automakers (refer to owner's manual).

Customer benefits

Havoline Full Synthetic Multi-Vehicle ATF delivers value through:

Warranty Coverage – as an ATF officially approved by General Motors for vehicles that specify a DEXRON-VI fluid

Minimized inventory cost – by having one premium ATF that can be used for the vast majority of modern automatic transmissions on the road today, without the need for supplemental additives or top treats

Maximum transmission life – with an advanced formula that protects against wear, corrosion, and the formation of lacquers, sludge or other harmful deposits

Extended drain intervals – because of improved oxidation resistance

Improved fuel economy – relative to conventional fluids because of lower viscous drag

Backward compatibility – with all previous General Motors DEXRON recommendations

Product features:

- Havoline Full Synthetic Multi-Vehicle ATF is a low viscosity product formulated with high purity synthetic base stocks for use in modern transmissions.
- Havoline Full Synthetic Multi-Vehicle ATF:
 - Provides excellent shift quality with high torque capacity throughout service life, that avoids clutch slippage and wear, avoids vehicle shudder while stopped and helps clutch plates and bands last longer
 - Viscosity and excellent oxidation stability are maintained through long lasting viscosity modifiers over a wide temperature range
 - Protects gears, bearings, clutch plates, seals, bushings and other components from wear and degradation
 - Resists foaming and enables outstanding operability and long equipment life

* DEXRON is a registered trademark of General Motors Corporation.



Applications

Havoline Full Synthetic Multi-Vehicle ATF has been formulated and tested for use in wide variety of transmissions that specify high- and low- viscosity fluids. 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, DEXRON-II or DEXRON-III/IIH fluids.

Havoline Full Synthetic Multi-Vehicle ATF is approved for:

- **General Motors** DEXRON-VI specification – GMW16444 (license number J-62103)

Havoline Full Synthetic Multi-Vehicle ATF meets the requirements of:

- **Allison** C-4
- **JASO 1A-LV₁₃ (M315)** performance standard created by Japanese automobile manufacturers, for the shear stability and exceptional anti-shudder durability desired for Japanese and Korean vehicles.
- **Mercedes** MB 236.41
- **Voith** H55.6335.3X

Havoline Full Synthetic Multi-Vehicle ATF is recommended for most late model transmissions manufactured by European, Asian and North American OEMs, including:

- **Aisin** AW-1, AW-2, JWS 3309, JWS 3324 ATF, ATF-OWS
- **BMW** Part #83 22 0 397 114, 83 22 0 403 248, 22, 83 22 0 163 514, 83 22 0 142 516, 83 22 0 026 922, 81 22 9 400 272, 83 22 9 407 807, 83 22 7 542 290, 83 22 2 355 601, 83 22 2 355 599, 83 22 2 289 720, 83 22 2 220 438, 83 22 2 152 426, 83 22 0 024 359, ATF 3+, ATF 6
- **Daihatsu** D3-SP
- **FCA US LLC** Part #68092912AAAA, 68218925AA (for ZF 8 & 9 speed), 68043742M (for Dodge/Jeep)
- **Ford** MERCON®, MERCON® V, MERCON® SP and MERCON® LV‡, MERCON® ULV

‡ MERCON is a registered trademark of Ford Motor Company. 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.



Applications continued

- **General Motors** Type A Suffix A, 22477466,9985010, 88900925, 22689186, 19352619
- **Honda/Acura** ATF Type 3.0, ATF Type 3.1, DW-1 and Z-1, 08200-9001, 08200-9008
- **Hyundai/Kia** Genuine ATF, SP-II, SP-III, SP-III, SP-IV-RR, SPH-IV and NWS-9638
- **Isuzu** Genuine ATF, ATF II, ATF III
- **Jaguar Land Rover** JLM 20238, JLM 21044, JLM 20292
- **Mazda** ATF M-III, ATF M-V, Type T-IV, JWS 3309
- **Mercedes** MB 236.2, 236.7, 236.8, 236.10, 236.12, 236.14, 236.15
- **Mitsubishi** ATF-J2, ATF-J3, SP-II, SP-III, SP-IV
- **Nissan/Infiniti** Matic D, Matic K, Matic J and Matic S
- **Subaru** ATF, ATF-HP, K0140Y0700
- **Suzuki** ATF 3317, ATF 3314, Matic J, Matic S
- **Toyota/Lexus** Type T, Type T-II, Type T-III, Type T-IV, Type WS, JWS 3309, JWS 3324, NWS 9638
- **Volkswagen/Audi** Part #G 055 540 A2, G052 533, G 055 025 A2, G 052 162 A1, G 052 162 A2, G 055 005 A2, G 055 162 A2, G 055 162 A6, G 052 990, G 060 162 A2, G 060 540 A2
- **Volvo** Part No. 1161521, 1161540/1161640, 31 256 774
- **ZF** TE-ML 11A, TE-ML 11B
- Hybrid vehicles where the OEM specifies a MERCON LV or a Toyota Type WS fluid.

This product is not suitable for belt- or chain-driven continuously variable transmission (CVT), dual-clutch transmissions (DCT) and Ford Type F applications.

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

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.



Typical key properties

HAVOLINE® FULL SYNTHETIC MULTI-VEHICLE ATF	
Product code	510126
Density, kg/L @ 15°C	0.849
Viscosity, Kinematic	
cSt @ 40°C	30.6
cSt @ 100°C	6.0
Viscosity, Brookfield	
cP @ -40°C	11,700
Viscosity Index	147
Flash Point, °C	217
Pour Point, °C	-54
Color	Red

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

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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.caltex.com.

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 Global Lubricants
– Asia Pacific