



HAVOLINE® GLOBAL MULTI-VEHICLE ATF (FOR USE IN CALIFORNIA)

PRODUCT DESCRIPTION

Havoline® Global Multi-Vehicle ATF (Automatic Transmission Fluid) is a premium, synthetic blend multi-purpose transmission fluid, for use in modern automatic transmissions of most domestic and import passenger cars, SUVs, light duty trucks, and vans.

CUSTOMER BENEFITS

- **Broad coverage** - suitable for use in a wide range of vehicle makes and models, including many high-viscosity applications.
- **Save money** - covers 99% of automatic transmissions without the need for supplemental additives or top treats.
- **Lower maintenance costs** - provides excellent proven protection of transmissions* and keeps them clean for extended drain intervals, even under the harshest driving conditions.
- **Improve fuel economy** - low viscosity formulation reduces transmission drag and friction of internal components that improve efficiency and maximizes vehicle fuel economy.
- **Maximize transmission life** - premium formula blended with high purity synthetic base oils resists against foaming and protects transmission against wear, corrosion, and sludge and lacquer formation.

FEATURES

Havoline Global Multi-Vehicle ATF is formulated with a synthetic blend of hydro-processed base stocks, carefully crafted additives, and long-lasting viscosity modifiers. It has been tested for use in the latest generation of low-viscosity ATF applications, and is also backward compatible with most high-viscosity applications.

- **Oxidation stability and wear protection** - Helps transmissions stay cleaner and last longer with superior protection of transmission components from wear over a wide range of temperatures.
- **Friction control and performance** - Maintains smooth and consistent shifting with no shudder as the fluid ages in the transmission, even under extreme driving conditions. Also meets the friction performance requirements of JASO M315, DEXRON®-VI and MERCON® V standards.
- **Enhanced protection** - Retains exceptional low temperature flow properties and excellent protection against viscosity breakdown at high temperatures, even under the most demanding operating conditions. To minimize transmission breakdowns and reduce vehicle noise and vibration, it also provides good foam resistance and protects against the formation of sludge, varnish, and other harmful deposits in the transmission.

APPLICATIONS

Havoline Global Multi-Vehicle ATF is recommended for use in applications of Hyundai, Isuzu, Kia, Mitsubishi, Nissan/Infiniti, Subaru, Toyota/Lexus and Suzuki that require automatic transmission fluids and Hybrid Vehicles where Toyota Type WS fluid or any fluid listed in the table below is specified. It meets the requirements of all General Motors and other vehicles specifying DEXRON®-VI, DEXRON®-III, DEXRON®-II, DEXRON®-II-D, or DEXRON®.

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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TTF-115 for CA

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Havoline® Global Multi-Vehicle ATF (for use in California) – Continued

This product is recommended for use in the following applications:

OEM	Fluid Spec
AISIN-Warner Transmissions	JWS 3309 ATF AW-1
Allison	C4
BMW	ETL-8072B LA 2634 LT 71141 7045-E P/N 83 22 0 397 114 P/N 83 22 2 220 438/440 P/N 83 22 7 542 290 P/N 83 22 0 026 922 P/N 83 22 0 403 248/249 P/N 83 22 9 407 765 P/N 83 22 9 407 807 P/N 999 917 547 00 (A2) P/N 000 043 205 09 P/N 83 22 2 152 426
Chrysler/FCA ^a	Mopar ASRC P/N 68043742AA1 P/N 68218925AA
General Motors	DEXRON® HP ^b DEXRON®-VI DEXRON®-III DEXRON®-II Saturn T-IV Saturn P/N 22717466 ATF Z1
Honda	ATF Type 3.0 ATF DW-1 ATF-Z1
Hyundai/Kia	SP-II SP-III SP-IV SP-IV-RR SP4-M1 ATF RED-1K WS NWS-9638 SPH-IV
Isuzu	Genuine ATF ATF-II ATF-III

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OEM	Fluid Spec
Jaguar - Land Rover	02JDE 26444 LR023288 ETL-7045E LT 71141 Esso JWS3309US JLM 20238 JLM 20292 WSS-M2C922-A1 K17
Mazda	ATF M-III ATF M-V Type T-IV JWS3317 M3
Mercedes Benz	MB 236.4 MB 236.5 MB 236.6 MB 236.7 MB 236.8 MB 236.9 MB 236.10 MB 236.11 MB 236.12 MB 236.14 ATF 3403-M115 NAG-1
Mitsubishi	J2 J3 Diamond SP-II Diamond SP-III
Nissan/Infiniti	Matic-W Matic-J Matic-S Matic-D Matic-K
Peugeot/Citroen	Z 000169756
Porsche	P/N 000 043 204 63 P/N 000 043 304 00
Renault	Matic-D2
Subaru/Saab	ATF 5AT ATF HP
Suzuki	ATF 3317 Matic-D Matic-J Matic-S

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OEM	Fluid Spec
Toyota/Lexus	Type D-II Type T Type T-II Type T-III Type T-IV (JWS 3309) Type WS (JWS 3324)
Volkswagen	G 060 540 A2 G 055 540 A2 G 055 025 (-A2) G 052 533 G 052 162 (-A1, -A2) G 052 990 A2 TL 52533 (G 052 533) TL 52162 (G 052 162 A1 and A2) ZF 5HP (18FL, 30)
Volvo	97340 97341 P/N 1161621 P/N 1161540 P/N 1161640 P/N 1161521 P/N 31 256 774
ZF	LifeguardFluid 5 LifeguardFluid 6 LifeguardFluid 8 P/N S671 090 312 TE-ML 11A / B

- a. For Chrysler ATF+3® and ATF+4® applications, use Havoline® ATF+4® Automatic Transmission Fluid. ATF+3 and ATF+4 are registered trademarks of FCA US LLC (formerly known as Chrysler Group LLC).
- b. DEXRON is a registered trademark of General Motors Corporation.

For additional information on this product, please consult the Havoline ATF guide, Havoline Recommendation Guide or a Chevron sales representative.

Chevron does not recommend Havoline Global Multi-Vehicle ATF for use in vehicles with continuously variable transmissions (CVTs) or dual clutch transmissions (DCTs) unless indicated above, nor in Ford transmissions where Ford Type F fluids are recommended. Always check your owner's manual to determine the proper automatic transmission fluid for your vehicle. The use of this product in transmissions where recommended by Chevron will not void the vehicle's warranty. All Havoline products, including Havoline Global Multi-Vehicle ATF, are backed by Chevron's Limited Product Warranty.

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California law prohibits all manufacturers of multi-vehicle ATFs from recommending products in certain applications where the viscometrics do not match those of the official OEM specification. Havoline Global Multi-Vehicle ATF is outside of the viscosity requirements of Ford applications requiring Ford MERCON®, MERCON® V, MERCON® LV, Mercon® SP and MERCON® ULV. Where applications allow use of an alternate fluid of a higher viscosity (example: Nissan Matic-J when Nissan Matic-S is not available) to one of the above fluid specifications, Havoline Global Multi-Vehicle ATF is an excellent recommendation.

To support Havoline Global Multi-Vehicle ATF performance, Chevron has conducted extensive laboratory evaluations and field tests which may not meet all laboratory test requirements of certain OEM specifications.

TYPICAL TEST DATA

	Test Method	
<i>Product Number</i>		226537
<i>SDS Number</i>		
<i>U.S.</i>		40639
<i>Canada</i>		40640
<i>Mexico</i>		40641
API Gravity	ASTM D1298	33.0
Density at 15°C, kg/L	ASTM D4052	0.860
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	31.0 6.2
Viscosity, Brookfield cP at -40°C	ASTM D2983	13,000
Viscosity Index	ASTM D2270	155
Flash Point, °C(°F)	ASTM D92	216(421)
Pour Point, °C(°F)	ASTM D97	-54(-65)
Color	Visual	Red

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

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