

## VALVOLINE™ MAXLIFE™ MULTI-VEHICLE TRANSMISSION FLUID

Valvoline MaxLife Multi-Vehicle Transmission Fluid (ATF) is a full synthetic formulation with advanced additives to prevent the major causes of transmission breakdown and help extend transmission life. Developed to help prevent leaks, maximize transmission performance, reduce transmission wear, and maintain smooth shifting longer than conventional fluids. MaxLife ATF is suitable for use in a broad range of ATF applications including most Ford, GM, Toyota & Honda models as well as Dex/Merc, Mercon LV and many more applications.

Valvoline has conducted extensive in-house testing, independent lab testing, and field-testing to support MaxLife ATF performance in the broadest range of transmissions; however, it should be noted that MaxLife ATF is not an OEM licensed product. The respective vehicle manufacturers have neither evaluated nor endorsed MaxLife ATF in these applications. If an OEM licensed product is preferred we recommend Valvoline DEXRON® VI, Valvoline ATF+4® and Valvoline MERCON® V for the corresponding applications.

### The Valvoline MaxLife Multi-Vehicle ATF Advantages:

- Synthetic fluid
- Conditions transmission seals to help prevent leaks
- Reduces varnish formation and wear
- Our best anti-shudder performance
- Improves and maintains smooth shifting longer than conventional automatic transmission fluids
- Superior anti-shudder performance
- Provides excellent flow properties at low temperatures and greater film protection at high temperatures
- Helps maximize the life of higher mileage transmissions

### Suitable for use in:

- Allison TES 389\*, C-4
- Audi/VW G-055-025-A2, G-052-162-A1/A2, G-052-990-A2, G-055-005-A2, G-055-162-A6, G-055-540-A2, G-060-162-A2, G-052-025-A2, G-052-162-A1
- BMW LT71141, LA2634, M-1375.4, ATF 3.0, 7045E, ETL 8072B
- Chrysler Diamond SP-III, NAG-1, 3403 M115
- Ford MERCON®\* (in California use Valvoline Dex/Merc)
- Ford MERCON® V\*, FNR5\*, XT-9-AMMF5\*, (in California use Valvoline MERCON V)
- Ford MERCON® SP\*
- MERCON® LV
- GM 9986195
- GM DEXRON® II, III and VI
- GM DEXRON® HP
- GM Autotrak II
- Honda/Acura ATF-Z1, DW1 (except in CVTs)
- Hyundai SP-II, SP-III, SP-IV, SPH-IV, SP4-M, SP-IV-RR
- JWS 3309 (Aisin Warner)
- JASO 1A
- KIA SP-II, SP-III, SP-IV, SP-IVM, and SP-IV-RR Fluids, Red 1
- Mazda M-V, FZ
- Mercedes Benz MB236.1, MB236.6, MB236.7, MB236.9, MB236.10, MB236.12\*, MB 236.14\*, MB 236.15\*
- Mercedes Benz NAG-1
- MOPAR AS68RC ATF
- Miscellaneous OEMs – M1375.4, M1375.6, L12108, LT 71141, ETL-7045E, ETL-8072B, 3403 M115, N402, AW-1
- Mitsubishi Diamond SP-II, SP-III, ATF-J3, Dia Queen ATF-PA
- Nissan Matic-D, Matic-J, Matic-K, Matic-S, Matic W
- Saab 93 165 147
- Subaru ATF
- Subaru ATF-HP
- Toyota / Lexus Type T, T-III and T-IV
- Toyota WS
- Volvo 1161521, 1161540, STD 1273.41, 97340
- VW TL52162, LT71141
- ZF TE-ML-14B, 16L, 17C
- ZF Lifeguardfluid 8

\*Please note that legislation in California prohibits Valvoline from recommending MaxLife ATF in certain applications where the viscometrics of MaxLife ATF do not match those of the official OEM specification. Valvoline therefore does not recommend the use of MaxLife ATF in these applications in California.

Valvoline does not recommend MaxLife Multi-Vehicle ATF for use in most continuously variable transmissions (CVTs) and in dual clutch transmissions (DCTs) unless specifically noted, nor in automatic transmissions where Ford Type F fluids are recommended.

Valvoline stands behind all of its products, including MaxLife Multi-Vehicle ATF. Use of MaxLife Multi-Vehicle ATF in transmissions where recommended by Valvoline WILL NOT void the vehicle's warranty. In the unlikely event that you or your customer experiences any transmission issues while using MaxLife Multi-Vehicle ATF in a Valvoline recommended application, please contact Valvoline at 1-800-Team-VAL for assistance.

## MAXLIFE Multi-Vehicle ATF Typical Properties:

Typical Properties:	Maxlife ATF
Viscosity @ 100°C, cSt	5.91
Viscosity @ 40°C, cSt	28.82
Viscosity Index	156
Specific Gravity @ 60°F	0.843
Pour Point, °C,	-48
Brookfield Viscosity @ -40°C, cP	10200
Flash Point, COC, °C	202
ASTM Color	7
Appearance	Red

Effective Date: 11/5/18

Author: MDW



THOMAS R. SMITH  
Vice President, Lubricant Technology

December 20<sup>th</sup>, 2017  
(Supersedes All Prior Revisions)

To Whom It May Concern:

MaxLife ATF is a full synthetic automatic transmission fluid designed to meet the needs of the broadest range of transmission designs. MaxLife ATF recommendations are based on a combination of field-testing and laboratory testing.

Valvoline recommends MaxLife ATF in a broad range of transmissions. The list below is just a sample of applications where Valvoline supports the use of MaxLife ATF. Valvoline has conducted in-house testing, independent lab testing, and field-testing to support MaxLife ATF performance in these transmissions; however, it is important to note that the respective vehicle manufacturers have neither evaluated nor approved MaxLife ATF in these applications.

- Allison TES 389\*, C-4
- Audi/VW G-055-025-A2, G-052-162-A1/A2, G-052-990-A2, G-055-005-A2, G-055-162-A6, G-055-540-A2, G-060-162-A2, G-052-025-A2, G-052-162-A1
- BMW LT71141, LA2634, M-1375.4, ATF 3.0, 7045E, ETL 8072B
- Chrysler Diamond SP-III, NAG-1, 3403 M115
- Ford MERCON®\* (in California use Valvoline Dex/Merc)
- Ford MERCON® V\*, FNR5\*, XT-9-AMMF5\*, (in California use Valvoline MERCON V)
- Ford MERCON® SP\*
- MERCON® LV
- GM 9986195
- GM DEXRON® II, III and VI
- GM DEXRON® HP
- GM Autotrak II
- Honda/Acura ATF-Z1, DW1 (except in CVTs)
- Hyundai SP-II, SP-III, SP-IV, SPH-IV, SP4-M, SP-IV-RR
- JWS 3309 (Aisin Warner)
- KIA SP-II, SP-III, SP-IV, SP-IVM, and SP-IV-RR Fluids, Red 1
- Mazda M-V, FZ
- Mercedes Benz MB236.1, MB236.6, MB236.7, MB236.9, MB236.10, MB236.12\*, MB 236.14\*, MB 236.15\*
- Mercedes Benz NAG-1
- MOPAR AS68RC ATF
- Miscellaneous OEMs – M1375.4, M1375.6, L12108, LT 71141, ETL-7045E, ETL-8072B, 3403 M115, N402, AW-1
- Mitsubishi Diamond SP-II, SP-III, ATF-J3, Dia Queen ATF-PA
- Nissan Matic-D, Matic-J, Matic-K, Matic-S, Matic W
- Saab 93 165 147
- Subaru ATF
- Subaru ATF-HP
- Toyota / Lexus Type T, T-III and T-IV
- Toyota WS
- Volvo 1161521, 1161540, STD 1273.41, 97340
- VW TL52162, LT71141
- ZF TE-ML-14B, 16L, 17C
- ZF Lifeguardfluid 8

Valvoline stands behind all of its products, including MaxLife ATF. Use of MaxLife ATF in transmissions where recommended by Valvoline WILL NOT void the vehicle's warranty. Vehicle manufacturers are restricted by federal law from including the requirement of the use of a specific brand or trade name of product or service as a condition of their warranty. The following is an extract from the Federal Trade Commission's web site on interpretation of the Magnuson-Moss Warranty Act:

**"Tie-In Sales" Provisions** Generally, tie-in sales provisions are not allowed. Such a provision would require a purchaser of the warranted product to buy an item or service from a particular company to use with the warranted product in order to be eligible to receive a remedy under the warranty. The following are examples of prohibited tie-in sales provisions.

To keep your new Plenum Brand Vacuum Cleaner warranty in effect, you must use genuine Plenum Brand Filter Bags. Failure to have scheduled maintenance performed, at your expense, by the Great American Maintenance Company, Inc., voids this warranty.



Valvoline has conducted extensive testing and has a long history of successful use of MaxLife ATF in a broad range of applications. In the unlikely event that you or your customer experiences any transmission damage while using MaxLife ATF in a Valvoline recommended application, please contact Valvoline at 1-800-Team-VAL for assistance.

While MaxLife ATF is designed to meet the special needs of higher mileage transmissions, new transmissions can also benefit from its enhanced oxidation protection, shear stability, seal compatibility, wear protection and anti-shudder protection. Many consumers have chosen to take advantage of this level of performance in newer transmissions.

Valvoline does not recommend MaxLife ATF for use in most continuously variable transmissions (CVTs) unless specifically noted nor in automatic transmissions where Ford Type F fluids are recommended.

Sincerely,

A handwritten signature in blue ink that reads 'Thom Smith'.

Thom Smith  
Vice President,  
Lubricant Technology  
Valvoline

\*Please note that legislation in California prohibits Valvoline from recommending MaxLife ATF in certain applications where the viscometrics of MaxLife ATF do not match those of the official OEM specification. Valvoline therefore does not recommend the use of MaxLife ATF in these applications in California.