



MULTI-VEHICLE AUTOMATIC TRANSMISSION FLUID

PRODUCT DESCRIPTION

PENNZOIL® MULTI-VEHICLE ATF is a special blend of high quality base stocks with an advanced additive system for automatic and powershift transmissions. PENNZOIL® MULTI-VEHICLE ATF meets the performance requirements of a broad range of automatic transmission applications and can function as a Caterpillar TO-2 lubricant.

PENNZOIL® MULTI-VEHICLE ATF is formulated to provide the protection that meets or exceeds the quality standards in the industry. The specially balanced additive system protects against shudder, eliminates the need to stock ATF supplements and ensures a high-performance smooth driving experience. Carefully balanced friction modifiers allow friction retention for long life performance and maintain the smooth lock-ups required by a wide variety of vehicles. Enhanced oxidation, thermal stability and corrosion resistance helps maintain year-round protection of the transmission components.

APPLICATION

PENNZOIL® MULTI-VEHICLE ATF provides excellent wear protection for all passenger cars and light trucks requiring the use of a Type A or Type A Suffix A, GM DEXRON®, GM DEXRON®-II, GM DEXRON®-IIE, GM DEXRON®-III (H), Ford MERCON® or MERCON®V automatic transmission fluid. It is also recommended for applications requiring Chrysler ATF +3® and ATF +4®, Toyota T®, T-III®, or T-IV®, Nissan Matic-D® and Matic-J®, Honda ATF-Z1®, and Mitsubishi Diamond SP-II® and SP-III®. See the table below for fluid applications!

PENNZOIL® MULTI-VEHICLE ATF is not suitable in a few pre-1986 vehicles where Type F fluids are specified, or some recent vehicles equipped with continuous variable transmissions (CVT's). It also is not suitable for 2006 and later GM vehicles requiring DEXRON® VI, Ford requiring Type SP, newer Daimler-Chrysler and other manufacturer's 6 and 7 speed transmissions, and some specialty transmissions. Always check application before using or adding any automatic transmission fluid.

PENNZOIL® MULTI-VEHICLE ATF can be used in passenger cars manual transmissions, trucks and buses, off-highway construction/mining equipment, agricultural equipment, mobile hydraulic systems, industrial machinery, and power steering systems where DEXRON®, DEXRON®-II, DEXRON®-IIE, DEXRON®-III (H), MERCON® or MERCON® V type fluids are specified.

BENEFITS

- Inventory optimization: Use single ATF for many specifications and applications without using ATF supplements
- Excellent friction performance to enhance shift quality -- no shudder
- A perfect balance of additive technology and in high quality base oil
- Excellent oxidation and thermal stability
- Excellent cold temperature flow properties

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® MULTI-VEHICLE ATF

TEST	METHOD	TYPICAL RESULTS
Density @ 15°C, g/mL	ASTM D-4052	0.861
Pounds per Gallon		7.64
Flash Point, °C	ASTM D-92	184
Pour Point, °C	ASTM D-97	-48
Color		Red
Viscosity		
@ 40°C, cSt	ASTM D-445	33.82
@ 100°C, cSt	ASTM D-445	7.60
Viscosity Index	ASTM D-2270	204
Brookfield Viscosity @ -40°C, cP	ASTM D-2983	10,200
Material Number		
Bulk		161599
12/1quart Case		159920
16 gallon Drum		160029
55 gallon Drum		160030

Pennzoil® Multi-Vehicle Automatic Transmission Fluid

ALWAYS Check Application Before Using Any Automatic Transmission Fluid

(Not for Type F and not for Continuous Variable Transmission applications(1,2)*)

Suitable Fluid Applications					
Allison	C-4	Recommended for use	Ford	MERCON	Recommended for use
Chrysler	ATF+, ATF+2	Recommended for use	Ford	MERCON V	Recommended for use
Chrysler	ATF+2 Type 7176	Recommended for use	MAN	339F	Recommended for use
Chrysler	ATF+3	Recommended for use	Mercedes	Pre-1996	Suitable for use in Pre-1996 models
Chrysler	ATF+4	Recommended for use	Mitsubishi	Diamond SP-II	Recommended for use
BMW	LA2634	Recommended for use	Mitsubishi	Diamond SP-III	Recommended for use
BMW	LT71141	Recommended for use	Nissan/Infiniti	Matic-D	Recommended for use
GM	DEXRON	Recommended for use	Nissan/Infiniti	Matic-J	Recommended for use
GM	DEXRON-II	Recommended for use	Toyota	Type T	Recommended for use
GM	DEXRON-II D	Recommended for use	Toyota	Type T-III	Recommended for use
GM	DEXRON-III H	Pre 2005 GM Vehicles	Toyota/Lexus	Type T-IV	Service fill or top off except 2004+ Prius, Landcruiser, 4-Runner, Lexus (GL, LS, LX models) where Dexron III is allowed
Honda	Premium	Recommended for use	Voith	55.6335.32 (G607)	Recommended for use
Honda	ATF-Z1	Recommend for use where owners manual lists DEXRON® III as an alternative to genuine fluid	Volvo	Volvo	Recommended for use
Ford	Type F	Recommended for use	Various	ZF TE-ML 14B	Recommended for use
Suitable in Kia, pre-2003 VW/Audi, Jeep, Mazda, Subaru, Suzuki, Isuzu, Hyundai, Daewoo			Various	ZF TE-ML 16L	Recommended for use
<p>*Note: 1) Pennzoil M-V ATF can not be used where type F type fluids are recommended, check your manual if your vehicle is one of the following: Datsun/Nissan pre 1971, Lincoln pre 1978, Ford/Mercury pre 1981, Toyota pre 1983, Volvo pre 1985, Mazda pre 1986, Saab pre 1993</p> <p>2) Pennzoil M-V ATF should not be used in Continuous Variable Transmissions (CVTs)</p>					

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