



OUR BUSINESS IS HEAVY DUTY LUBRICANTS

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PRODUCT SPECIFICATIONS & TECHNICAL DATA

MULTI-VEHICLE SYNTHETIC ATF 3/2015

PROPERTIES, BENEFITS AND APPLICATION:

PETROFLO BRAND MULTI-VEHICLE ATF is a synthetic universal automatic transmission fluid a special blend of high quality base stocks with an advanced additive system to meets the performance requirements of a broad range of automatic transmission applications for passenger cars and light duty trucks and suitability for use in the vast majority of today's modern Fuel Efficient transmissions (6 or more speeds).

PETROFLO BRAND 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.

FEATURES AND BENEFITS

- Use single ATF for many specifications and applications without using ATF supplements
- Optimum frictional properties for smooth shifting, JASO 1A Anti Shudder Durability (ASD) Performance
- Outstanding oxidation and thermal stability
- Outstanding cold temperature flow properties during cold starts and high temperature operations, including start/stop severe service.
- Excellent wear protection for Longer equipment life
- Multi-graded, Longer fluid life and faster oil flow in low temperature operation
- Minimizes sludge and varnish deposits
- Excellent rust and corrosion protection
- Good seal compatibility to limit fluid leakage
- Designed for modern fuel efficient transmissions as well as older transmissions
- Improved performance vs. Dexron® III : Friction Stability, Foaming Resistance

Dexron® is a registered trademark of General Motors

Typical Applications

BMW/Mini	Isuzu	SAAB
Chrysler/Dod	Jaguar	Toyota/Lexus/Scion
Ford/Mazda	Kia	Subaru
GM/Geo/Ope	Land Rover	Suzuki
Honda	Mitsubishi	Volvo
Hyundai	Nissan/Infiniti/Renault	VW/Audi
Idemitsu	Porsche	

Exceptions: Non-planetary transmissions (e.g. CVT, DCT)

Fluid Exceptions: Type F/G, ZF Lifeguardfluid6 and ZF Lifeguardfluid8

Suitable for Use in the following applications:

AISIN WARNER AW-1 ALLISON C-4 AUDI G 052 025 (-A2) AUDI G 052 162 (-AI, -A2) AUDI G 052 990 (A2) AUDI G 055 025 AUDI G 055 005 (A2) BMW P/N 83 22 0 024 359, ETL-8072B BMW P/N 83 22 0 026 922, ETL-7045E BMW P/N 83 22 0 403 249, ETL-8072B BMW P/N 83 22 9 407 765, LA 2634 BMW P/N 83 22 9 407 807, LT 71141 BMW P/N 83 22 0 142 516, M-1375.4 CHRYSLER AS68RC CHRYSLER DIAMOND SP-III CHRYSLER TYPE 7176E [+3] CHRYSLER TYPE 9602 [+4] CHRYSLER P/N 05127382AA CHRYSLER P/N 68043742AA [DEX VI] ESSO LT 71141 FORD P/N XT- 2-DX [MERC] FORD P/N XT- 2-SM [SYN MERC] FORD P/N XT- 5-M [MERC V] FORD P/N XT- 5-SM [SYN MERC V] FORD P/N XT- 8-AW [PREMIUM] FORD P/N XT- 9-MM5 [FRN5] FORD P/N XT- 6-SP [MERC SP] FORD P/N XT-10-LV [LV] FUCHS ATF 3353 GM TASA GM DEX II GM DEX IID GM DEX IIE GM DEX IIIF GM DEX IIIG GM DEX IIHH GM T-IV ATF GM AW 1 GM DEX VI GM WS ATF HONDA Z-1 HONDA DW-1 HYUNDAI DIAMOND SP-II HYUNDAI DIAMOND SP-III HYUNDAI M-1375.4 HYUNDAI NWS 9638 HYUNDAI SP-IV	IDEMITSU APOROIL ATF HP IDEMITSU K17 ISUZU 08200-9001 ISUZU GENUINE ATF JAGUAR ATF 3403-M115 JAGUAR ATF IDEMITSU K17 JAGUAR ATF LT 71141 JAGUAR P/N WSS-M2C922-A1 JAGUAR ATF M-1375.4 JASO 1A [M315-2004] KIA ATF M-1375.4 KIA RED-1 KIA SP-III KIA SP-IV LAND ROVER ATF M-1375.4 MAN 339 V1 MAZDA ATF TYPE T-IV MAZDA ATF-MIII MAZDA ATF-MV MERCEDES 236. 1 MERCEDES 236. 2 MERCEDES 236. 5 MERCEDES 236. 6 MERCEDES 236. 7 MERCEDES 236. 8 MERCEDES 236. 9 MERCEDES 236.10 MERCEDES 236.11 MERCEDES 236.12 MERCEDES 236.14 MERCEDES 236.15 MERCEDES 236.41 MINI P/N 83 22 0 402 413 MITSUBISHI DIAMOND QUEEN ATF-J2 MITSUBISHI DIAMOND SP MITSUBISHI DIAMOND SP-II MITSUBISHI DIAMOND SP-III NISSAN 402 NISSAN ATF NISSAN MATIC-D NISSAN MATIC-J NISSAN MATIC-K NISSAN MATIC-S	PORSCHE P/N 000 043 204 41 PORSCHE P/N 000 043 205 09 PORSCHE P/N 000 043 205 28 PORSCHE P/N 999 917 547 00 (A2) PORSCHE P/N 000 043 304 00 RENAULT MATIC D2 SAAB 3309 SAAB P/N 93 165 147 [AW-1] SATURN P/N 21005966 SATURN T-IV FLUID SHELL ATF 3403 M115 SHELL ATF 134 SHELL ATF 3353 SHELL LA-2634 SHELL M-1375.4 SUBARU ATF SUBARU ATE-HP SUBARU P/N K0140Y0700 SUZUKI ATE 3314 SUZUKI ATF 3317 TEXACO ETL-7045E TEXACO ETL-8072B TEXACO N402 TOYOTA TYPE T TOYOTA TYPE T-II TOYOTA TYPE T-III TOYOTA TYPE T-IV (JWS 3309) TOYOTA TYPE WS (HYBRID) TOYOTA TYPE WS (JWS 3324) VOITH 55.6335.XX (G607) VOITH NA S/B #013 (STANDARD DRAIN) VOITH NA S/B #118 (STANDARD DRAIN) VOLVO 97340 VOLVO 97341 VOLVO P/N 1161540-8 VW P/N G 052 025 A2 VW P/N G 052 162 (AI, A2) VW P/N G 052 990 A2 VW P/N G 055 025 VW P/N GUS 000 162 VW P/N G 055 005 VW P/N G 055 005 A2 ZF TE-ML 04D ZF TE-ML 09 ZF TE-ML 11A ZF TE-ML 11B
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Published ATF Viscometric Specifications

OEM	PUBLISHED SPECIFICATION	KV40 (cSt)	KV100(cSt)		VI MIN.	Brookfield -40°C (cP)	KV100 after 20 hr KRL (cSt)
			MIN.	MAX.			
ALLISON	Allison C-4	--	--	--	--	20,000 max.	--
ALLISON	TES-295	--	7.0	--	--	8,700 max.	6.5 min.
CHRYSLER	MS 9602 (ATF+4®)	--	7.3	7.8	--	10,000 max	6.5 min.
GM	DEXRON®-III(H) ⁽¹⁾	--	--	--	--	20,000 max.	--
GM	DEXRON®-VI	32 max.	--	6.4	145	15,000 max.	5.5 min. @40hr
FORD	MERCON® ⁽¹⁾	--	6.8	--	--	20,000 max.	--
FORD	WSS-M2C938-A ⁽²⁾	--	--	6.2	--	12,000 max.	5.5 min (5.0@40hr)
FORD	MERCON® V	--	6.8	8.1	--	13,000 max.	6.0 min.
FORD	MERCON® SP	--	5.5	6.0	--	9,500 max.	5.0 min.
JASO	M315-2002 1A	--	5.7	--	120	20,000 max.	5.4 min (5.7 sonic)
VOITH	H55.6335	--	--	8.2	--	20,000 max.	5.3 min
VOITH	H55.6336	--	--	8.2	--	20,000 max.	5.3 min.
ZF	TE-ML 14A	--	7.0	--	--	20,000 max.	5.3 min
ZF	TE-ML 14B	--	7.0	--	--	20,000 max.	5.5 min

1)Obsolete specification

2)MERCON® LV factory fill; service fill specification has not been published

TYPICAL ANALYSIS

Gravity API ASTM D4052	35.5
Color, ASTM D1500	Red
Flash Point (COC), °C (°F)	202 (396)
Pour Point, °C (°F) ASTM D97	-45 (-49)
Viscosity, ASTM D445	
cSt @ 40°C	31.9
cSt @ 100°C	6.4
Viscosity Index ASTM D2270	155
Brookfield Viscosity, cPs @-40C ASTM D2983	11,240cP

The above analyses are typical inspections only and the finished product may vary from batch to batch