



EMERALDLUBES

EMERALD TRANSMISSION FLUIDS

Highly specialized fluids for today's advanced and unique applications

EMERALD FULL SYNTHETIC MULTI-VEHICLE ATF

Balanced advanced formula utilizing superior additive technology and 100% synthetic base oils, helping to ensure peak performance of almost any automatic transmission

EMERALD LUBRICANTS TECHNOLOGY meets the demands of today's engine and equipment designs by providing greater overall value and unsurpassed protection.

PROTECTION delivers superior friction stability to maintain smooth, consistent shifting and prevent shudder.

POWER provides a strong oil barrier to prevent metal-to-metal contact between rotating parts impeding wear.

ENDURANCE resists thickening due to high operating temperatures.

APPLICATIONS

Suitable for use in most modern North American automatic transmission applications. Always consult your owners manual where specific transmission fluids are required.

Avoid use in CVT fluid applications, Dual-Clutch Automatic Transmissions, Ford Type F Fluid applications, Mazda FZ, or Honda power steering fluid systems.

Applicability of a multi-vehicle automatic transmission fluid should be checked with the owner's manual for specific vehicle suitability.

This product is not recommended for use or sale in the State of California.



EMERALD FULL SYNTHETIC MULTI-VEHICLE ATF

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL RESULTS
		FS MV ATF
Gravity, API ⁰	ASTM D287	34.20
Specific Gravity at 60°F (60°C)	ASTM D4052	0.8540
Viscosity at 40°C, cSt	ASTM D445	31.90
Viscosity at 100°C, cSt	ASTM D445	7.10
Viscosity Index	ASTM D2270	195
Pour Point, °F (°C)	ASTM D5950	-50°F (-46°C)
Brookfield Viscosity at -40°C, cP	ASTM D2983	10,300
Color	ASTM D1500	Red, dyed
Flash Point, (COC °F (°C))	ASTM DS92	430 (221)
Density, lbs/gal	ASTM D1214	7.11

SUITABLE FOR USE APPLICATIONS

ATF Type A, Suffix A	GM-889009525	Mitsubishi SP-II/III, DiaQueen ATF J2	Voith H55.6335.XX (G607)
Aisin Warner AW-1, JWS 3309, JWS 324, AS68RC	GM-22689186, GM-19256039, GM-88863400	Mitsubishi ATF J3, PA, SP-IV	Voith Turbo, ZF, Ecomat
Allison C3, C4, TES-295, TES-389, TES 389-B	GM-9985010, GM 9986195	MI 375.4	Voith ZF TE-ML 09/11
Alfa Romero	Honda/Acura Type 3.0, ATF-Z, Type 3.1	Mopar ASRC/AS68RC	Voith ZF TE-ML 03D, 04D, 09
American Motors ATF +3, +4	Honda/Acura ATF DW-1 (not CVT's)	Nissan 402. Matic D, J, K, S, W, PSF-II	Voith ZF TE-ML 16L, 17C
Audi/VW TL 052-162-A1, A2	Hyundai/Kia SP-IV, SP-IV-RR, NWS-9638, PSF-3	Most North American OEM Low Viscosity ATF	Volvo1161621, 1161521
Audi/VW TL 052-990, TL 052-540-A, B	Hyundai/Kia SP-II, SP-III, SP-IVM	Most North American OEM High Viscosity ATF	Volvo 1161540, 1161640
Audi/VW Porsche 000.043.204.63	Hyundai/Kia SPH-IV, JWS-3314, 3317	Opel	Volvo 97341, 97340, 31256774
Audi/VW Porsche 000.043.205.28	Idemitsu K17, Jatco 3100 PL085	Peugeot	Volvo T-IV STD, 11273.41
Audi/VM TL-052-162-X, Y	Infiniti Matic-D, Matic-J, Matic-K	Porsche AF 5HP19FL	Volvo 6 Speed MY 2011-2013
BMW BMW 83-22-0-142-516, ZF, 5H018FL	Isuzu SCS	Porsche ATF 3403-M115	Volvo P/N 3125674 or 31256675
BMW 5HP24, 5HP30, LA2634, 7045E, LT71141	Jaguar M1375.4, ATF 3403 M115	Renault DP-0	VW TL521-62, G-055-162
BMW 8072B, LA2634M M.1375.4 Fluids	Jaguar Fluid 8432	Saab LA2634	VW G-055-025, G-052-990
Chrysler MS-5931 P/N 04883077	JASO 1-A, 1-A-LV	Saab P/N 45-30-08-800	VW G-052-162-A1, A2, G-060-162
Chrysler MS-9602, MS-1872	Jatco Texaco 402	Scion	VW G-052-540, G-055-005
Chrysler MS-10838 P/N 05142893AA	Kia Red-1	Shell 3403, 3353, LA2634	VW G-055-162
Chrysler 7176-E, ATF+3, +4	Man 339 V-1, 339F, Type Z-1	Subaru ATF, ATF-HP	ZF LifeGuardFluid5
Daewoo/Esso LT71141	Mazda ATF M-III, ATF MV	Subaru P/N K0209A0080	ZF TE-ML 09, 21L, 11, 04D, 05L
Fiat	Mercedes Benz ZF 4HP20, 236.1, 236.2	Suzuki ATF 3314, 3317	ZF TE-ML 17C, 16L, 14A
Ford WSS-M2C924-A, Ford M	Mercedes Benz 236.3, 236.5, 236.6	Texaco ETL-7045E (BMW 5 SP)	ZF TE-ML 03D, LifeGuardFluid6
Ford Mercon V, Mercon LV, XL-12	Mercedes Benz 236.7, 236.9, 236.10	Texaco ETL-8027B, N042 (JATCO)	ZF LifeGuardFluid6+
Ford Mercon SP, FNR5 (Mazda)	Mercedes Benz 236.11, 236.12, 236.14	Toyota T, T-I, T-II, T-III	ZF 6 Speed (S671-090-255)
Ford M2C138CJ, M2C166-H	Mercedes Benz 236.15, 236.16, 236.17	Toyota WS (JWS 3324)	ZF 8 & 9 Speed ATF
Ford M2C195-A, M2C924-A	Mercedez Benz NAG-1, GL-450 (ATF 3403)	Toyota PSF Type EH	ZF 8HP45 & 9HP45
GM-Auotrack II, IID, II-E, III, IIIF, IIIG, IIH, VI	Mini Cooper T-IV (not CVT)	Toyota P/N 00886-01	