

Signature® Synthetic Multi-Vehicle ATF

Product Data Sheet



Product Description: Signature® Synthetic Multi-Vehicle ATF.

Synthetic Multi-Vehicle ATF is manufactured from synthetic base stocks with additive technology that offers reliable multi-vehicle performance. The product provides the frictional properties, wear protection, and fluid characteristics required by most North American, Asian, and European automatic transmissions. It is formulated to sustain the demands of extreme operating conditions and retain both high temperature fluid durability and low temperature fluidity. The product's multi-vehicle performance offers savings through inventory consolidation.

APPLICATIONS*

The product is a multi-vehicle automatic transmission fluid with supporting data to demonstrate acceptable performance in most modern North American automatic transmission applications. It can also be used in many Toyota/Lexus, Nissan/Infiniti, and Honda/Acura transmissions, as well as transmissions in many Mazda, Mercedes, Porsche, Mitsubishi, Land Rover, Kia, Hyundai, Isuzu, Jaguar, BMW, Mini, Saab, Volvo, Subaru, VW/Audi cars and light trucks. Always consult your owner's manual where specific transmission fluids are required.

*Do NOT use in CVT fluid applications, Dual-Clutch Automatic Transmissions, Ford Type F Fluid applications, 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.

*California law prohibits all manufacturers of multi-vehicle ATF from recommending products in certain applications where the viscometrics (i.e. viscosity, brookfield) do not match those of the official OEM specification. Therefore, this product is not recommended for use or sale in the State of California.

Typical Properties

Appearance	Red, dyed
Viscosity, Kinematic cSt at 40°C	29.3
cSt at 100°C	5.9
Viscosity Index	151
Brookfield Viscosity, cP @ -40C	10,800
Flash Point, °C (°F)	430 (221)
Pour Point, °C (°F)	-50 (-46)
Gravity, API ^o	34.2
Specific Gravity, 60 ^o /60 ^o F	0.8540
Density, lbs/Gal	7.11

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

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SUPPORTING DATA TO DEMONSTRATE ACCEPTABLE PERFORMANCE FOR:

Acura ATF-Z1	Land Rover LR023288, TYK500050, LR0022460 Aisin
Warner JWS 3309 (T-IV), JWS 3324 (WS), AW-1	Lexus JWS 3309
Allison C-3, C-4	MAN 339A, Type D, Type F, Z1, Z2, V1, V2
American Motors ATF +3 (MS7176-E)	Maserati 231603
ATF RED1, RED 1K	MazdaATFD-II,ATFM-III,ATFM-V Audi 5
HP LT71141 (ZF 5HP 18FL/19FL/24A)	Mazda ATF FZ, ATF F-1, ATF S-1
Audi/VW G 052 025-A2, G 053 025-A2	Mercedes Benz ZF 4HP20, 236.1, 236.2, 236.3, 236.5
Audi/VW G 052 162-A1/A2, G 055 025 A2, (JWS 3309)	Mercedes Benz 236.6, 236.7, 236.8, 236.9
Audi/VW G 052 990, G 055 540 (A2), G 052 055	Mercedes Benz 236.10, 236.11, 236.12, 236.41
Audi/VW G 052-162 (ZF Lifeguard fluid 5), (ZF No. S671 090 170)	Mini Cooper T-IV
Audi/VW G 055 055-A, G 055 162-A2	Mitsubishi Diaqueen AW, J2, J3, ATF-MA1 ATFPA Audi/VW
-A2(ZF Lifeguardfluid 6) (ZF No. S671 090 255)	Mitsubishi Diaqueen SK, SP-II, SP-III, SP-IV
Audi/VW-A6 (ZF Lifeguardfluid 6 Plus) (ZF No. S671 090 281)	NAG 1 (Chrysler, Jeep, Cherokee), NAG 2 (Chrysler) Audi/VW
G 060 162 (ZF Lifeguardfluid 8), (ZF No. S671 090 312)	Nissan Matic Fluid C, D, J, K, S
BentleyPY112995PA	Opel/GM 19 40 700, 19 40 767
BMWJWS3309(T-IV), LA2634,, BMWMINI	Opel/GM 21005966 Transaxle, 22 17466
BMW LT71141 (ZF 5HP 18FL/19FL/24A)	Opel/GM 88900925, 9986195 BMW ZF
5HP18FL, 5HP24, 5HP30, 7045E, ETL 8072B	PeugeotZF4HP20
Bosch TE-ML 09	Peugeot/Citreon (PSA) AL4AutomaticGearbox(#9730.AE)
CAT TO-2	Peugeot/Citreon Z 000169756
Chrysler, +2, +3 (MS7176E), +4, Mopar AW-1	Porsche 000 043 205 09, 999 917 547 00 (A2)
Chrysler/DodgeMOPARAS68RCandAS69RC(T-IV), JWS3309	Porsche 000 043 205 28, Z 000169756
Chrysler/Dodge/Jeep 05127382AA, 68043742AA	Porsche ATF 3403-M115 Chrysler/Dodge/Jeep
68157995AA, 68171866AA	Porsche T-IV (JWS 3309) Chrysler/Dodge/Jeep
68157995AB, 68218925AA	Porsche ZF 5HP19FL, ZF 5HP20, LT71141 Daewoo LT
71141	Renault DPO/AL4, Matic D2, Samsung SATF-D
DaihatsuAMMIXATFD-II,AMMIXATFD-III SP	Saab T-IV (JWS 3309), 93 165 147, 93 160 393 Esso LT
71141	Saturn T-IV (JWS 3309)
FIAT T-IV type, JWS 3309	Scion (all vehicles)
Ford ESP-M2C166H, XL-12	Shell 3403, M115, LA2634, L 12108
Ford FNR5 (Mazda M5, XT-9-QMM5)	Shell M-1375.4, 3353 Ford

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MERC LV (FF-WSS-M2C-938A/SF, XT-10 QLV)	Ssang yong DSIH 5M-66
Ford MERC, MERCSP, MERCV	Subaru ATF, K0140Y0700, ATF 5AT
Ford WSS M2C 138CJ, 166H	Subaru DEX -II, ATF, ATF HP
Ford WSS M2C 922A1, 924A (XT-8-QAW) JWS 3309	Suzuki ATF 2384K, JWS 3309, ATF 3314, ATF 3317
Ford/Lincoln/Mercury XT-2-QDX (M), XT-2QSM (Syn)	Suzuki ATF AW-1, AT OIL 5D06, ATF 2326
Ford/Lincoln/Mercury XT-6-QSP OR-DSP (SP)	Texaco 7045-E, 8072B, N402
Fuso ATF-II, Fuso ATF SPII, Fuso ATF-A4	Toyota ATFD-II, D-III, T-III, T-IV, WS, Hybrid GM
1940700, 1940767, 21005966, 22717466	Vickers M2950-S, I-286-S
GM 88900925, 9986195, 93160393	Voith 55.6335.xx (G607), 55.6336.xx (G13636)
GMDEX-II, -IID, -IIE, -IIIG, -IIIH, -VI, HP	Voith Svc Bltn #013 and #118
GM TASA	Volvo 97325, 97335, CE 97340
GM/GMC/Opel/Saturn AW1, VI, 88863400, 88863401	Volvo CE 97342, PN 1161621 GM9986195(Aisin AW,
JWS 3309)	Volvo PN 1161521, PN 1161540/1161640
Hino Blueribbon ATF	Volvo PN 31256774/PN 31256675 (includes AW-1) Honda
ATF-Z1 (except in CVT's), ATF Ultra II	VW 5 HP (ZF 5HP 30), (18FL, 30), (19FL, 24A)
Honda DW-1, Type 3.0, Type 3.1	VW G 052 162 (ZF Lifeguardfluid 5)
Hyundai/Kia 040000C90SG, NUMM040 CH20 Red-1	VW G 055 005-A, -A2 (ZF Lifeguardfluid 6)
Hyundai/Kia Dex-II/SP-II, JWS 3314, NWS 9638	VW G 055 162-A2, -A6 (ZF Lifeguardfluid 6 Plus)
Hyundai/Kia SP-IV (00232-1904/04500-00115)	VW G 060 162 (ZF Lifeguardfluid 8)
Hyundai/Kia SP-IVM (SP4-M), SPH-IV, SP-IV-RR, SP-III	VW G US 000 162
Idemitsu K17 3100 PL085	VW G-055-025 A2 (JWS 3309), G055 540 (A2) ISUZU
BESCO ATF-II, ATF-III, ATF SP, SCS Fluid, 08200-9001	VW TL 521 62
Jaguar ATF 3403 M115, ATF 3403-M115, ATF LT71141	ZF 8 speed transmissions
Jaguar JLM 20292, Fluid 8432, 02JDE26444, WSS-M2C922A1	ZF 9 speed transmissions Jaguar ZF
5HP24, JLM20238, ATF 3403 JLM20238, K17	ZF all 3 & 4 speed transmission
JASO M315-2013 1A, M315-2013 1A-LV, M315-2013 2A	ZF TE-ML 04D, 14A, 14B, 16L, 17C
Jeep ATF+3	ZF TE-ML 05L, 09, 11A, 11B, 21L, 02F, 03D
KIA ATF SP-II, SP-III, SP-IV, SP-IVM, Red 1	ZF TE-ML 21L, ZF TE-ML 02F, ZF TE-ML 03D

***This product does not carry a license by any OEM but has good data to support performance in the listed specifications.**

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