



Lotus Lubes™ TS Global Synthetic Transmission Fluid

PRODUCT DESCRIPTION

LOTUS Lubes™ TS Global Synthetic Transmission Fluid is formulated from premium synthetic base stocks and a state-of-the-art additive system, specially engineered and recommended for use in virtually all global automatic transmissions. It exceeds the performance requirements for GM DEXRON®-VI, Ford Mercon® V, Mercon® SP & Mercon® LV, Chrysler ATF+4, Toyota T-IV & WS, Honda/Acura, Volvo, Mercedes, BMW and JASO fluids. It is also backward compatible for use in transmissions previously serviceable by GM DEXRON®-II or DEXRON®-III (H) and Ford Mercon® brands.

FEATURE & BENEFITS

- * Excellent frictional properties for smooth shifting
- * Optimum performance in GM 6-speed transmissions
- * Excellent performance in hybrid transmissions, including Ford and Toyota
- * Superior shear stability and wear protection
- * Protection against varnish and sludge formation
- * Superior thermal stability and oxidation resistance
- * Outstanding low-temperature performance
- * Maintains consistency and lubricating film strength under moderate load
- * One fluid for virtually every global transmission application
- * Meets low-viscosity OEM transmission fluid requirements
- * Formulated with synthetic base stocks for maximum resistance to thermal breakdown
- * Provides active anti-wear agents to protect critical transmission components
- * Delivers optimum resistance to fluid oxidation in severe operating conditions
- * Compatible with conventional fluids whether used in a complete fluid exchange or top-off
- * Nearly eliminates the possibility of a fluid misapplication and reduces service liability



TYPICAL PHYSICAL PROPERTIES

Density, g/cm ³ @ 15° C	ASTM D4052	0.849
Flash Point, COC C° (F°)	ASTM D93	227 (440)
Pour Point, C° (F°)	ASTM D97	-51 (-60)
Brookfield Viscosity, cP @ -40° C	ASTM D2983	12,500
Viscosity, cSt @ 40° C	ASTM D445	32.6
Viscosity, cSt @ 100° C	ASTM D445	6.3
Viscosity Index	ASTM D2270	180
Color	Visual	Red
Foam Test	ASTM D892	Pass
Minor variations in typical physical properties may occur from normal manufacturing processes		

APPLICATIONS

LOTUS Lubes™ TS Global Synthetic Transmission Fluid is specially formulated to meet and exceed the performance requirements of virtually all global automatic transmission fluid requirements for passenger cars, flex-fuel vehicles, hybrids, light-trucks, sports utility vehicles and most heavy-duty equipment transmission standards. It is recommended for use in the warranted applications and will not void applicable vehicle warranties.

LOTUS Lubes™ TS Global Transmission Fluid warrants the following transmission applications:

- * ATF Type A - Suffix A
- * Aisin Warner M315 Types A-1, AW-1, 3309
- * Acura ATF-Z1, DW-1 (except CVTs)
- * Alfa Romeo (all vehicles)
- * Allison C-3, C-4, TES-389
- * American Motors using ATF +3 (MS7176-E), ATF +4 (MS 9602)
- * Audi ZF, 5HP19FL, 5HP24A, LT71141, TL 52162, G-052-025-A2, G-052-162-A1, A2; G-052-182-A2, G-055-025-A2
- * BMW 83 22 9 400 (272,275), 83 22 9 407 (765,807,858,859), 83 220 397 (114), ZF, 5HP (18FL, 19FL, 24A, 30), LA2634, ETL-7045E, ETL-8072B, N402,
- * Caterpillar Power Shift TO-2
- * Chrysler ATF+3(MS7176-E), ATF+4(MS 9602), Mopar AS68RC ATF
- * Daewoo LT 71141
- * Daihatsu ALUMIX MULTI

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- * Esso LT 71141
- * Fiat (all vehicles), Type TIV
- * Ford MERCON®, MERCON® (M506050501), MERCON® V (XP-5-QM), MERCON® SP (XT-6-QSP), MERCON® LV (XT-10-
- * GM DEXRON®; DEXRON® II, II-E, III, III-G, III-H, VI; GM 9986195; GM12378515; GM Transfer Case 12378396, 12378508
- * Honda ATFZ-1, DW-1 (except CVTs)
- * Hyundai SP-II, SP-III, SP-IV, SPH-IV, NWS-9638 T-5, SP4-M
- * Idemitsu K17, Jatco 3100 PL085
- * Infiniti Matic-D, Matic-J, Matic-K, Matic-S
- * Isuzu Besco ATF-II, ATF-III
- * Jaguar ZF 5HP24, LT71141, JLM20238, M1375.4, ATF 3403 M115
- * JASO M315 Type 1-A
- * Jeep (ATF +3, ATF +4)
- * JWS 3309
- * Kia SP-II, SP-III, SP-IV, Red 1, SP4-M
- * Lexus Type T, T-II, T-III, T-IV, WS
- * MAN 339A, F, V1, V2, Z1, Z2, Z3
- * Mazda ATF-M III, ATF M-3, ATF-MV, V (XT-9-QMM5)
- * Mercedes Benz ZF 4HP20, 236.1, 236.2, 236.3(PSF), 236.5(C-4), 236.6, 236.7, 236.8, 236.81, NAG-1, 236.9, 236.10, 236.11, 236.12, 236.14, 236.15 & 722.9 (NAG-2)
- * Mini Cooper T-IV
- * Mitsubishi Diamond SP II, SP III; Dia Queen J2
- * Nissan Matic-D, Matic-J, Matic-K, Matic-S
- * Opel 19 40 700, 19 40 707, 19 40 767
- * Peugeot ZF 4HP20
- * Porsche ZF 5HP19FL, ATF 3403-M115, T-IV
- * Renault (all vehicles), Renk-Doromat
- * SAAB 3309, 93 165 146, 93 165 147 (except those requiring Type F)
- * Saturn: see GM listing
- * Scion (all vehicles)
- * Shell 3403, 3353, LA 2634, M-1375.4
- * Subaru ATF, AT-HP
- * Suzuki ATF 3309, 3317
- * Texaco ETL-7045E, ETL-8072B, N402
- * Vickers M-2950-S, I-286-S
- * Toyota Type T-II, T-III, T-IV, WS
- * Voith G607 (55.6335.XX), G1363 (55.6336.XX), Turbo
- * Volvo 97340, 97341, 1161521, 1161540, T-IV, STD 1273.41
- * VW ZF, 5HP19FL, 5HP24A, LT71141, TL 52162, G-052-025-A2, G-055-025-A2, G-052-162-A1, A2; G-052-182-A2, G-052-
- * ZF, Ecomat; ZF TE-ML 02F, 03D, 04D, 05L, 09, 11B; ZF TE-ML 14 A,B,C,16L,17C

LOTUS Lubes™ TS Global Transmission Fluid IS NOT recommended for use in Continuously Variable Transmissions (CVT), Dual Clutch Transmissions (DCT) or applications that require a non-friction modified ATF, such as Ford Type F or Ford Type G (used in certain European transmissions).

Always consult your owner's manual to verify the proper fluid recommendation for your vehicle

LOTUS Lubes™ TS Global Transmission Fluid is engineered to service nearly every world-wide transmission!!