



PRODUCT DATA SHEET
Transfer Case Synthetic MVATF
Product Code 54064

Product Description

Transfer Case Synthetic MVATF is a synthetic universal automatic transfer case fluid specifically designed for passenger car and light duty trucks to meet the performance requirements and suitability for use in the vast majority of today's modern Fuel Efficient transmissions (6 or more speeds). Its performance features can also be realized in the vast majority of older transmission applications (<6 speeds).

Product Features and Benefits

- Lower inventory cost; one ATF can be used for a vast majority of Automatic Transmissions and Transfer Cases on the road today.
- Longer equipment life; specially formulated for extra wear control, corrosion protection formation of lacquers, sludge or other harmful deposits.
- Smooth Operations; JASO 1A Anti Shudder Durability (ASD) Performance
- Designed for modern fuel efficient transmissions as well as older transmissions
- Designed for longer fluid life and faster oil flow in low temperature operation.
- Consistent shift quality throughout the life of the fluid.
- Improved performance vs. Dexron® III:
 - Friction Stability
 - Clutch Durability
 - Oxidation Resistance
 - Foaming Resistance
 - Wear Control
 - Corrosion Control
- Frictions modifiers control lock-up rates of clutch packs for proper transmission shifting characteristics and efficient power transfer.
- Controls seal deterioration to limit fluid leakage.
- Multi-graded for optimum performance during cold starts and high temperature operations, including start/stop severe service.
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Dexron® is a registered trademark of General Motors

Typical Applications

BMW/Mini	Isuzu	SAAB
Chrysler/Dodge/Jeep	Jaguar	Toyota/Lexus/Scion
Ford/Mazda	Kia	Subaru
GM/Geo/Opel/Saturn	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

Typical Properties

API Gravity	ASTM D4052	35.6
Viscosity	ASTM D445	
@40C, cSt		31.8
@100C, cSt		6.3
Viscosity Index	ASTM D2270	153
Brookfield Viscosity, cPs	ASTM D2983	
@-40C		11,240cP
Pour Point C	ASTM D97	<-42C
Color	ASTM D5100	Red

Suitable for Use in the following applications:

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

GM DEX IIIF	MINI P/N 83 22 0 402 413	VOLVO P/N 1161540-8
GM DEX IIIG	MITSUBISHI DIAMOND QUEEN ATF-J2	VW P/N G 052 025 A2
GM DEX IIHH	MITSUBISHI DIAMOND SP	VW P/N G 052 162 (A1, A2)
GM T-IV ATF	MITSUBISHI DIAMOND SP-II	VW P/N G 052 990 A2
GM AW 1	MITSUBISHI DIAMOND SP-III	VW P/N G 055 025
GM DEX VI	NISSAN 402	VW P/N GUS 000 162
GM WS ATF	NISSAN ATF	VW P/N G 055 005
HONDA Z-1	NISSAN MATIC-D	VW P/N G 055 005 A2
HONDA DW-1	NISSAN MATIC-J	ZF TE-ML 04D
HYUNDAI DIAMOND SP-II	NISSAN MATIC-K	ZF TE-ML 09
HYUNDAI DIAMOND SP-III	NISSAN MATIC-S	ZF TE-ML 11A
HYUNDAI M-1375.4	PORSCHE P/N 000 043 204 41	ZF TE-ML 11B
HYUNDAI NWS 9638		

Published ATF Viscometrics Specifications

OEM	PUBLISHED SPECIFICATION	KV40 (cSt)	KV100 (cSt) MIN. MAX.		VI MIN.	Brookfield -40°C (cP)	KV100 after 20 hr KRL (cSt)
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

NOTE: Values are typical only. Due to ongoing research, development and product improvement, product formulas are subject to change without notice. Sampson Bladen Oil Co., Inc. cannot know all the uses and conditions to which this product may be subjected, therefore it is the user's responsibility to ascertain that it is suitable for any intended use or application.