



ATF X FE

Fuel Economy synthetic fluid for automatic transmissions

USES

100% synthetic fluid for automatic transmissions and power steering systems in passenger cars and light commercial vehicles.

Particularly recommended for multi-speed automatic gearboxes (up to 8 and 9 speed transmissions) requiring a low viscosity ATF for better fuel economy and lower CO2 emissions.

Specifications:

YACCO ATF X FE meets the specifications of the main OEMs and covers a wide range of uses (see table on page 2).

MAIN PHYSICAL DATA

		Method	Units	X FE
Density at	20°C	ASTM D4052	kg/m ³	845
Kinematic viscosity at	40°C	ASTM D445	mm ² /s	27
Kinematic viscosity at	100°C	ASTM D445	mm ² /s	6.3
Viscosity index		ASTM D2270		197
Pour point		ASTM D97	°C	-60
Cleveland Open Cup Flash Point		ASTM D92	°C	200
Colour		Visual aspect		blue

The data given in this table represents typical production values and should not be taken as specifications.

PROPERTIES & ADVANTAGES

- ▶ Optimized friction coefficient for a smooth operation of the gearbox over the service life of the fluid.
- ▶ High viscosity index ensuring perfect lubrication at low and high temperatures.
- ▶ The low pour point provides good performance in cold conditions and instant lubrication upon start-up.
- ▶ 100% fully synthetic formula with excellent thermal stability (increased oxidation resistance), thus prolonging the service life of the oil.
- ▶ Non-aggressive to seals, as well as ferrous and non-ferrous materials used in modern transmissions.
- ▶ A low-viscosity fluid designed to increase fuel economy by reducing fluid resistance within the transmission. Fuel economy can be further improved with the use of Fuel Economy engine oil.



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YACCO ATF X FE is suitable when the manufacturer requires the use of an oil which meets one of the following specifications :

ATF X FE specifications and applications

Aisin Warner AW-1	Jaguar fluid 8432
Bentley JNV 862 564D P/N PY112995 PA	Land Rover P/N LR0022460
BMW/Mini 83 22 0 142 516	Land Rover P/N TYK500050
BMW/Mini 83 22 0 152 426	Maserati P/N 231603
BMW/Mini 83 22 0 163 514	Mazda ATF FZ
BMW/Mini 83 22 0 397 114	Mazda FW 6A EL / FW 6AX EL
BMW/Mini 83 22 2 289 720 (ATF3+)	Mazda M-5 P/N XT-9-QMM5
BMW/Mini 83 22 2 305 397 (ATF3)	Mercedes MB 236.17
BMW/Mini 83 22 2 355 599 (ATF6)	Mercedes MB 236.12 / MB 236.14
BMW/Mini 83 22 2 413 477 (ATF7)	Mercedes MB 236.15
Chrysler/Dodge/Jeep P/N 05127382AA	Mercedes MB 236.41
Chrysler/Dodge/Jeep P/N 68043742AA	Mitsubishi Diaqueen ATF J- 2/ ATF J-3 / ATF-PA
Chrysler/Dodge/Jeep P/N 68157995AA	Nissan Matic-S ; Nissan Matic -W
Fiat 9.55550-AV-6 / AV-5 / AV-2	Petronas Tutela Transmission AS8
Ford WSS-M2C938-A	Porsche P/N 000 043 304 00
Ford/Lincoln/Mercury Mercon LV (XT-10-QLV)	Saab P/N 96 165 147 AW-1
Ford/Lincoln/Mercury Mercon SP (XT-6 QSP ou DSP)	Shell ATF 134
GM/Ope/Saturn P/N 12378515 (Synthetic)	Shell ATF 3353
GM/Ope/Saturn P/N 1940 700	Shell ATF M-1375.4
GM/Ope/Saturn P/N 21005966 transaxle	Toyota/Lexus/Scion Type WS (JWS 3324)
GM/Ope/Saturn P/N 22717466	Toyota/Lexus/Scion FZ
GM/Opel/Saturn P/N 88863400 & P/N 88863401	Toyota/Lexus Type WS
GM/Opel/Saturn P/N 88900925 & P/N 9986195	Volkswagen/Audi G 052 025
GM-Dexron VI	Volkswagen/Audi G 052 055
Honda ATF DW-1	Volkswagen/Audi G 052 533
Honda ATF Type 3.0 & Type 3.1	Volkswagen/Audi G 055 005
Hyundai/Kia P/N 040000C90SG	Volkswagen/Audi G 055 540
Hyundai/Kia NWS-9368 T-5	Volkswagen/Audi G 055 162
Hyundai/Kia SP-IV ; SPH-IV ; SP-IV RR	Volkswagen/Audi G 060 162
Idemitsu ATF HP	Volkswagen/Audi G US 000 162
Isuzu WSI	ZF Lifeguard 9, Lifeguard 8 ; Lifeguard 6