



ATF X

Synthetic fluid for automatic transmissions

USES

Lubricating fluid for automatic transmissions, power steering and hydraulic systems of many types of vehicles, such as passenger cars, light commercial vehicles, lorries, buses, construction equipment, agricultural equipment, boats, etc.

Specifications:

YACCO ATF X meets the main OEM's specifications and has a wide range of uses (see table on page 2).

YACCO ATF X can replace 3 types of our ATF fluids: ATF III, ATF D & ATF A while also adapted for many other applications.

Many OEMs now require lower viscosity transmission fluids like YACCO ATF X FE for their vehicles.

For DCT (DSG) transmissions, refer to ATF DCT. For CVT transmissions, refer to ATF CVT



MAIN PHYSICAL DATA

		Methods	Units	ATF X
Density at	20°C	ASTM D4052	kg/m ³	847
Kinematic viscosity at	40°C	ASTM D445	mm ² /s	37.5
Kinematic viscosity at	100°C	ASTM D445	mm ² /s	7.75
Viscosity index		ASTM D2270		183
Pour point		ASTM D97	°C	-51
Cleveland Open Cup Flash Point		ASTM D92	°C	210
Colour		Visual aspect		Red

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

PROPERTIES & ADVANTAGES

- ▶ Optimised friction coefficient for smooth running of gearboxes fitted on European, Asian and American vehicles.
- ▶ A high viscosity index ensures perfect lubrication at low and high temperatures.
- ▶ A low pour point means very good performance in cold conditions and instant lubrication upon start-up.
- ▶ Excellent thermal stability (enhanced oxidation resistance) extends the service life of the oil.
- ▶ Non-aggressive to seals and all materials used in modern transmissions.



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ATF X* uses in AUTOMATIC TRANSMISSIONS

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

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Aisin Warner JWS 3309	MAN 339 Type V-1 and Type V-2
Allison C-4 and Allison C-3	MAN 339 Type Z-1 and Type Z-2
Allison TES-295 and Allison TES-389	Mazda ATF -M III and ATF-M IV
ATF Type A Suffix A	Mercedes Benz MB 236.1; MB 236.2 and MB 236.5
Caterpillar AT-1	Mercedes Benz MB 236.6; MB 236.7; MB 236.8 and MB 236.9
Chrysler MS-9417	Mercedes Benz MB 236.10, MB 236.11 and MB 236.14
Chrysler MS-7176/7176D/7176E (ATF+/ATF+2/ATF+3)	Mercedes Benz MB 236.81 ; MB 236.91 and 238.22
Chrysler MS-9602 (ATF+4)	Mopar ATF+4 et ATF+3 (Chrysler)
ELF MATIC J6 Mopar AS68RC (Chrysler)	ESSO LT 71141
Mitsubishi Diaqueen ATF J3	Fiat 9.55550-AG1 and 9.55550-AG2
Mitsubishi Diaqueen ATF PA	Fiat 9.55550-AV1 , 9.55550-AV3 and 9.55550-AV4
Mitsubishi Diaqueen SP and SP-II	Ford FNR5 and Ford M
Nissan: Matic -D/J/K & N402	Ford MERCON & MERCON V
Ford M2C163A; M2C166H & M2C195A	Renault DP-0 and AJ-0
Ford M2C202B; M2C922A1 & M2C924A	Shell 3403 and Shell LA 2634
Ford XL-12 Transfert Case	Subaru ATF (ATF J) & ATF-HP
Ford N052162 VX00	Suzuki ATF 3314 & ATF 3317
GM 1940767 Et GM 1940771	Texaco ETL-7045E (BMW7045E)
GM Auto-Trak II Transfert Case	Texaco ETL-8072B and Texaco N402 (JATCO)
GM Dexron II-D, III-G and III-H	Toyota T ; T-II; T-III & T-IV
Honda ATF-Z1	Voith H55.6335 (G607) & H55.6336 (G1363)
Hyundai SP-II and SP-III	Volvo P/N 1161521 and PN 1161621
Hyundai JWS 3314 and JWS 3317	Volvo P/N 1161540 and PN 1161640
Idemitsu K17 (JATCO) Volvo 97335,	Volvo 97340 and Volvo 97341
JASO 1-A	VW-AUDI G 052 162, G052 990 & G 055 025
JATCO 3100 PL085 (Idemitsu K17)	ZF TE-ML 03D, TE-ML 04D and TE-ML 05L
KIA SP-II et SP-III	ZF TE-ML 09, TE-ML 11A/11B and TE-ML 14A/14B
KIA JWS 3314, JWS 3317 and RED-1	ZF TE-ML 16L, TE-ML 17C and TE-ML 20A/20B
PSA B71 2340, PSA AL-4 (PSA 9736 22)	

* When a low viscosity fluid is required, use YACCO ATF X FE.

ATF X uses in POWER STEERING

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

Chrysler MS-1872, MS-5931, P/N 04883077	Kia PSF-3 & PSF-4
Chrysler MS-9602, MOPAR ATF+4	MAN 339 Type L-1
Chrysler MS-10838, P/N 05142893AA	Mercedes MB 236.3, P/N 000 989 88 03
Fiat 9.55550-AG2	Mitsubishi DIAMOND SP III and PS FLUID
Ford M2C195-A	Nissan PSF-II
GM 9985010 and GM 9985835	Saab P/N (45) 30 09 800
GM P/N 1052884 and P/N 89021184	Subaru P/N K0209A0080
GM P/N 12345866 (cold climate)	Toyota PSF Type EH, P/N 008886-01
Hyundai PSF-3 & PSF-4	VW Crafter HIGTEC ZH-M PSF