



## RAVENOL Multi ATF HVS Fluid



ART.-NR. 1211144

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### FABRICATION SYNTHETIC

**RAVENOL Multi ATF HVS Fluid** is a synthetic multi-function automatic transmission oil ATF based on highly developed synthesis technology for longest change intervals for automatic transmissions and manual transmissions, in torque converters and numerous power steering systems. **RAVENOL Multi ATF HVS Fluid** is suitable for maximum change intervals in automatic transmissions, steering and clutch systems, hydraulics and power take-offs of cars and commercial vehicles when oil with high viscosity is required.

## Application Notes

**RAVENOL Multi ATF HVS Fluid** is a product with a very wide manufacturer coverage and can be used in almost all conventional automatic transmissions with shift groups.

Not suitable for CVT automatic transmissions.

**RAVENOL Multi ATF HVS Fluid** is an automatic transmission fluid for longest oil change intervals.

**RAVENOL Multi ATF HVS Fluid** can be used as a refill oil in a wide range of applications to meet the requirements of Ford, GM, Toyota, Honda, Nissan, Hyundai, KIA, BMW, Mercedes, Volvo, VW, Audi and others. It will be used if no suitable original oil or RAVENOL Professional Line oil is available.

Observe the manufacturer's instructions.

Multi ATFs generally only meet the required specifications, i.e. the minimum technical requirements for an ATF. For that reason they are not suitable for permanent use. Multi ATFs should therefore only be used as a temporary replacement or for refilling if the special gear oil is not available for your application.

For continuous operation we recommend the use of our **RAVENOL ATF Professional Line** gear oils. These special oils are optimally formulated for individual automatic transmissions. They exceed the minimum requirements / specifications.

## Characteristics

**RAVENOL Multi ATF HVS Fluid** offers:

- Very good lubricity even at low temperatures in winter
- A high, stable viscosity index
- Very low pour point
- Very good oxidation stability
- Protection against wear, corrosion and foaming
- Well-coordinated friction properties
- Neutral behavior towards sealing materials



- Neutral behavior due to inhibition against non-ferrous metals

**RAVENOL Multi ATF HVS Fluid** is tried and tested for aggregates specifying:

Recommendations:

ATF SP-III	MERCON
DEXRON® III F	MERCON®V
DEXRON® III H	ZF TE-ML 02F, 03D, 04D, 05L, 11A, 14A, 14B, 16L, 16R, 17C, 20B, 25B
	ZF S671 090 170
ESSO/ MOBIL LT 71141	Motorcraft XT-1-QF
ESSO JWS3317	Shell LA 2634 / M-1375.4
Mopar	Texaco TL 4634 / ETL 7045E / ETL 8072B / N402
Aisin Warner Automatic Gearbox	Mazda M-III, Type T-IV, JWS3317
Allison C3/C4	MB 236.1
Allison TES-389	MB 236.2
BMW ATF LA 2634	MB 236.3
BMW ATF 4	MB 236.5
BMW ATF JWS 3309	MB 236.6
Cat. TO-2	MMB 236.7
Fiat 9.55550-AV1	MB 236.9/ 236.91
Ford WSS-M2C924-A	MB 236.10
Ford M2C138 CJ, 166H, 185A	MB 236.11
Ford WSS-M2C202-B	Nissan Matic-D, -J, -K, -W
Ford WSS-M2C919-E	Porsche JWS 3309
Ford WSS-M2C922-A1	Renault Matic D2
Honda / Acura Z-1	RENK DOROMAT
Hyundai / KIA ATF Red-1K	Ssang Yong DSIH 5M-66
Hyundai / KIA SP-II, SP-III	Suzuki 3314 / 3317
Idemitsu ATF HP	TOYOTA JWS 3309
Jaguar JLM 20237 / 20238 / 20292 / 21044	Voith H55.6335.xx
JASO M315, Class 1A	Voith H55.6336.3x Extended Drain (G1363)
Land Rover ATF AW-1	VOLVO JWS 3309
MAN 339 Typ A	VW TL 052 025
MAN 339 Typ V1	VW TL 052 162
MAN 339 Typ Z1	VW TL 052 990
MAN 339 Typ Z2	VW TL 055 025



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	845,0	EN ISO 12185
Colour		rot	visual
Viscosity at 100°C	mm <sup>2</sup> /s	7,0	DIN 51562-1
Viscosity at 40°C	mm <sup>2</sup> /s	37,1	DIN 51562-1
Viscosity index VI		153	DIN ISO 2909
Brookfield Viskosität bei -40°C	mPa*s	18.930	ASTM D2983
Pourpoint	°C	-45	DIN ISO 3016
Flash point	°C	230	DIN ISO 2592
Cu-Korrosion bei 121 °C		1b	ASTM D130

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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