



## Transmax ATF Z

Automatic Transmission Fluid

### Description

Castrol Transmax ATF Z, formulated with Smooth Drive Technology™, is a full synthetic automatic transmission fluid. It can solve shiftability problems in automatic transmissions, enabling longer transmission life. It is particularly recommended for use in automatic and semi automatic transmissions used in cars, buses and coaches. As such it is recommended for fleets employing a mixture of Voith, Renk, ZF, Allison and MB transmissions alongside the Leyland Pneumocyclic and Hydracyclic units. Extended oil drain [120.000 km] in ZF Ecomat and EcoLife, MB AT and Voith AT. Transmax ATF Z, formulated with Smooth Drive Technology™, delivers enhanced protection and gives drivers a smoother drive for longer.

### Advantages

- Enhanced friction durability for smooth transmission performance.
- Enhanced wear protection to provide longer component life offers extended drain potential and lowers operating costs.
- Excellent thermal and oxidative stability to effectively resist oxidation and maintains operational efficiency for longer.
- Enhanced protection against deposits extends transmission life.
- Temperature reduction in severe service improves transmission and oil service life and helps reduce fuel consumption and emissions.
- Outstanding cold flow properties giving high protection to transmission especially at start-up.
- A problem-solver for gear shiftability issues with over 15 years of trouble-free field performance.

### Typical Characteristics

Name	Method	Units	Transmax ATF Z
Density @ 15C, Relative	ASTM D4052	g/ml	0.836
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	7.5
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	38
Viscosity Index	ASTM D2270	None	170
Viscosity, Brookfield @ -40C (75W)	ASTM D2983	mPa.s (cP)	8400
Viscosity, Brookfield @ -26C (80W)	ASTM D2983	mPa.s (cP)	2000
Viscosity, Brookfield @ -12C (85W)	ASTM D2983	mPa.s (cP)	535
Pour Point	ASTM D97	°C	-66
Flash Point, COC	ASTM D92	°C	228

## Product Performance Claims

JASO 1A 03  
MAN 339 V2, MAN 339 Z12, MAN 339 Z3,  
MB-Approval 236.81,  
Voith H55.6336.xx,  
VW 501 60,  
ZF TE-ML 04D, 11B, 14C, 16M, 16S, 20C, 25C,  
Suitable for use where the following are called for: Toyota T, T II, T III, T IV, WS  
Nissan Matic D, J, S  
Mitsubishi SP II, IIM, III, PA, J3, SP IV  
Mazda ATF M-III, M-V, JWS 3317, FZ  
Subaru F6, Red 1  
Daihatsu AMMIX ATF D-III Multi, D3-SP  
Suzuki AT Oil 5D06, 2384K  
JWS 3314, 3317  
Hyundai/Kia SP III, SP IV  
Aisin Transmissions requiring JWS 3309  
Honda/Acura DW 1/Z1  
Isuzu (where Toyota T-IV is required)  
BMW, VW, Audi and Jaguar 5 speed automatic transmission and MB 4 and 5 speed automatic transmissions  
BMW Oil No. 8322.9407807  
Citroen Oil No. Z 000169756  
Jaguar Oil No. JLM 20238, LA 2634, LT 71141  
Mercedes Benz Oil No. 0019892203, MB 236.1, 236.6, 236.7, 236.9, 236.10  
Peugot Oil No. Z 000169756  
Porsche Oil No. 999.917.547.00  
VW/Audi TL 52162 (G 052 162)  
ZF Lifeguardfluid 5.

## Additional Information

Transmax ATF Z is registered under the following ZF approval number: ZF002158

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23 Jun 2021

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