



GERMAN ADLER GMBH

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## PRODUCT INFORMATION **GERMAN ADLER ATF 9-9 F**

### Description

GERMAN ADLER ATF 9-9 F is a high-performance ATF based on oils from the synthesis technology plus a superior performance package. It contains extremely shear stable VI improver in conjunction with modern anti-wear additives and friction modifiers. This leads to stable lasting and excellent switching behaviour, a superior coefficient of friction stability and outstanding oxidation stability. Maximum fuel economy is ensured by the lowered viscosity.

### Application

GERMAN ADLER ATF 9-9 F is specifically developed for use in modern 6-, 8-, 9-speed automatic transmissions in SUV, mid-size and luxury vehicles. **It is not backward compatible and not suitable for use in older transmissions.** Please refer to manufacturer's instruction.

Additionally this product is recommended when the following filling instructions are required:

- MB 236.16/236.17
- MB 236.41
- Aisin AW F8FXX
- DSIH 6p805 (Geely, Ssangyong, Mahindra 6sp)
- Hyundai NWS-9638
- Hyundai/Kia SP-IV, SPH-IV, SP-IV RR
- JASO 1-A-LV
- Mitsubishi ATF-J3, ATF-PA
- Mopar 68218925AA
- Nissan Matic S, Matic W
- Saab 93 165 147
- Volvo 6 speed MY 2011-2013 (P/N 31256774 or 31256675)
- VW G 052 540, G 055 005, G 055 162
- ZF TE-ML 13
- ZF 6 Speed (S671 090 255)

### Advantages/Benefits

- Excellent friction coefficient stability over the entire service interval
- Reduced viscosity for better fuel efficiency
- Excellent shifting characteristics at low temperatures
- The best wear protection properties for reliable operation and the longest service life
- Highest oxidation and ageing stability

### Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m <sup>3</sup>	850	DIN 51 757
Viscosity at 40°C	mm <sup>2</sup> /s	30,4	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	6,2	DIN 51 562
Viscosity index		162	DIN ISO 2909
Pour point	°C	-45	DIN ISO 3016
Flash point	°C	>190	DIN ISO 2592
Colour		colorless	

The above data are true and correct to the best of our knowledge and belief and reflect the current state of knowledge and our development effort. All rights to changes reserved! The characteristic data indicated are subject to the repeatability and reproducibility of the given test methods.