



GERMAN ADLER GMBH

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## PRODUCT INFORMATION **GERMAN ADLER ATF 9-5 B**

Low viscosity, high-performance Automatic Transmission Fluid (ATF) for maximum fuel efficiency. Specially adapted to the requirements for Mercedes-Benz 7-speed automatic transmissions as of 21.06.2010.

### Description

GERMAN ADLER ATF 9-5 B is a high-performance Automatic Transmission Fluid (ATF) with reduced viscosity based on a special base oil composition made of HC synthetic oils and fully synthetic poly-alpha-olefins (PAO). Developed specifically for maximum fuel efficiency in Mercedes-Benz 7-speed automatic transmissions (NAG2FE+).

### Application

GERMAN ADLER ATF 9-5 B has been adapted to the special requirements for Mercedes-Benz 7-speed automatic transmissions (NAG2FE+, as of 21.06.2010). Its optimised friction system ensures smooth shifting operations, even when the vehicle is driven at full power, and is maintained over the entire service interval. The reduced viscosity and the optimised viscosity-temperature behaviour enable a significant reduction in consumption and CO<sub>2</sub> emissions. GERMAN ADLER ATF 9-5 B is not backward compatible with the former ATF specifications.

In compliance to EEC regulations the quality of GERMAN ADLER ATF 9-5 B is equivalent to the following standards / specifications:

- MB 236.15

### Advantages/Benefits

- Reduced viscosity for maximum fuel efficiency
- Adapted friction coefficient behaviour for smooth shifting operations
- Prevention of friction vibrations and grinding when shifting in a reliable manner
- Excellent friction coefficient stability over the entire service interval
- Excellent shifting characteristics at low temperatures
- The best wear protection properties for reliable operation and the longest service life
- Highest oxidation and ageing stability due to a special base oil composition made of HC synthetic and fully synthetic PAO base oils
- Minimal tendency to foam
- Reliable protection against corrosion, wear, sludge accumulation and adhesion
- Neutral behaviour towards gasket materials
- Miscible and compatible with other ATF of the same specification. However, in order to exploit the full product benefits of GERMAN ADLER ATF 9-5 B, a complete oil change is strongly recommended.

Note: GERMAN ADLER ATF 9-5 B is not recommended for use in DCT/DSG (Double Clutch Transmission) or CVT's (Continuous Variable Transmission)

### Typical characteristics:

	<b>Unit</b>	<b>Value</b>	<b>Method</b>
<b>Density at 15°C</b>	kg/m <sup>3</sup>	848,3	DIN 51 757
<b>Viscosity at 40°C</b>	mm <sup>2</sup> /s	21,6	DIN 51 562
<b>Viscosity at 100°C</b>	mm <sup>2</sup> /s	4,5	DIN 51 562
<b>Viscosity index</b>		146	DIN ISO 2909
<b>Pour point</b>	°C	-54	DIN ISO 3016
<b>Flash point COC</b>	°C	>206	DIN ISO 2592
<b>Colour</b>		Blue	

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.