

## HIGHTEC ATF 9005

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 6/2010.

### Description

HIGHTEC ATF 9005 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 (NAG-2).

### Application

HIGHTEC ATF 9005 has been adapted to the special requirements for Mercedes-Benz 7-speed automatic transmissions (NAG-2, model 722.9 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 CO2 emissions. HIGHTEC ATF 9005 is not backward compatible with the former ATF specifications.

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

- MB 236.15

### 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 HIGHTEC ATF 9005, a complete oil change is strongly recommended.

### Notices

HIGHTEC ATF 9005 is not suitable for use in DCT/DSG (dual-clutch) or CVT (continuously variable or 'non-stepped' automatic) drives.

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.843
Color	visuell	-	blau / blue
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	24,3
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	5,3
Viscosity index	ASTM D-7042	-	165
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	200
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-44

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