

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.

ROWE recommendations

- Aisin Warner AW-2
- BMW 83 22 2 413 477 (ATF7)
- DEXRON ULV
- Ford M2C949-A/XT-12-ULV
- Mazda ATF A7
- MB 236.15
- Nissan Matic P
- PSA 16 350 560 80
- Volvo 31 492 172/31 492 173
- VW G 053 001
- VW G 060 540

Advantages

- 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.

Notes

- 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
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	5,3
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	24,3
Viscosity index	ASTM D2270	-	165
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	200
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-44
Color		visual	blau / blue

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

