



# RAVENOL ATF 9HP Fluid

**Kategorie:** Gear oil for automatic transmissions

**Artikelnummer:** 1211149

**Oil type:** Full synthetic

**Recommendation:** Acura 08200-9016A, Acura ATF Type 3.0, ATF L 12108, ATF Type 3.1, BMW 83222167720, BMW 83222305397 (83222152426), Fiat 9.55550-AV5, Honda 08200-9170, Land Rover LR023288, Land Rover LR023289, Mopar 68157995AB, Mopar 68218925AA, VW/Audi G 055 162, VW/Audi G 060 162 A1, VW/Audi G 060 162 A6, VW/Audi G 060 162 A2, ZF S671 090 312, ZF TE-ML 11 9HP48

**Application:** Passenger car



**RAVENOL ATF 9HP Fluid** is a full synthetic ATF (Automatic Transmission Fluid), designed on the basis of PAO (Poly-alpha-olefin) with a special additivation and inhibition, which ensure a proper function of the automatic transmission.

**RAVENOL ATF 9HP Fluid** is an automatic transmission fluid (ATF) of the latest generation for all 9 stroke automatic transmissions of ZF. It guarantees maximum wear protection in any operating condition.

**RAVENOL ATF 9HP Fluid** is green coloured.

**1L | 1211149-001**

**4L | 1211149-004**

**10L | 1211149-010**

**20L | 1211149-020**

**20L | 1211149-B20**

**60L | 1211149-060**

**60L | 1211149-D60**

**208L | 1211149-208**

**208L | 1211149-D28**

## Application Note

**RAVENOL ATF 9HP Fluid** is suitable for use in automatic ZF transmission of 9HP-Series, such as 9HP48. Please observe OEM Part Numbers and their regulations!

## Characteristics

- Very good lubricating ability even at low temperatures in winter
- A high, stable viscosity index
- Very good oxidation stability
- Protection against wear, corrosion and foam formation
- Good balanced coefficient of friction
- A high thermal and oxidative stability
- An excellent cooling capacity

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	840	EN ISO 12185
Colour		grün	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	5,5	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	26,0	DIN 51562-1
Viscosity Index VI		160	DIN ISO 2909
Brookfield Viscosity at -40 °C	mPa*s	5400	ASTM D2983
Pourpoint	°C	-54	DIN ISO 3016
Copper Strip Test at 121 °C		1a	ASTM D130
Flashpoint	°C	208	DIN EN ISO 2592

All indicated data are approximate values and are subject to the commercial fluctuations.

RAVENOL special transmission fluids are special developments for special gears and cannot be selected on the basis of technical parameters (viscosity, etc.). Therefore the decision was made not to give technical data. Please note: RAVENOL special transmission fluid is exclusively to apply under the original number, as indicated in the product information. If you are unsure about the right transmission fluid, ask your workshop or dealership for advice on the transmission type and OEM original number or ask our experts, making sure to state the VIN code (vehicle identification number) of your vehicle. Misapplication of RAVENOL special transmission fluid can lead to malfunction of the transmission shifting problems, increased fuel consumption, unwanted slip behavior, etc. and cause the failure of the transmission. Ravensberger Schmierstoffvertrieb GmbH is not liable for transmission failures in case of wrong selection of RAVENOL special transmission fluid.