



# RAVENOL AWD-H Fluid

**Kategorie:** Gear oil for manual transmissions and drive axis

**Artikelnummer:** 1211140

**Oil type:** Full synthetic

**Recommendation:** GM 93165387, Land Rover LR 003136 (Haldex-Öl Baujahr 2011-2014), Land Rover LR054941 (Haldex-Öl Baujahr 2011-2014), Opel 1940057, VOLVO 31367940, VW G 052 175 A2, VW G 055 175 A2, VW G 060 175 A2

**Application:** Passenger car



0.3L | 1211140-300

1L | 1211140-001

**RAVENOL AWD-H FLUID** is a high-quality formula of high-performance oils with special additives and inhibitors.

**RAVENOL AWD-H FLUID** is a special high-performance transmission oil for Haldex's Allrad, Quattro and 4motion powertrains. How the Haldex coupling operates: The axle closest to the engine is constantly powered. All-wheel drive powertrains with a Haldex coupling automatically direct engine power to the other axle where required, without any intervention from the driver. Depending on the electronically-controlled blocking effect of the Haldex coupling, a variable proportion of the engine power is transferred to this axle as required.

**RAVENOL AWD-H FLUID** supports this power transfer process with its outstanding qualities.

## Application Note

**RAVENOL AWD-H Fluid** is suitable for use with all-wheel drive powertrains with Haldex couplings in AUDI, VOLKSWAGEN, SEAT, SKODA, OPEL, LANDROVER and VOLVO vehicles.

**RAVENOL AWD-H Fluid** should be changed every 60.000 km in order to avoid damage to the powertrain.

RAVENOL recommendation: When changing the oil, always change the oil filter of the Haldex coupling and clean the pre-filter of the oil pump or replace it at the same time. This prevents damage to the Haldex caused by deposits or clogging of the filters.

## Characteristics

- An excellent flow behaviour at low temperatures
- High, stable viscosity index
- Very good oxidation stability
- Reliable protection against wear, corrosion and foaming
- Excellent coefficient of friction constancy
- High thermal and oxidative stability
- Excellent cooling ability
- Improved shear stability

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	855,0	EN ISO 12185
Colour		hellgelb	VISUELL
Colour Code		1,0	DIN ISO 2049
Viscosity at 100 °C	mm <sup>2</sup> /s	5,4	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	24,5	DIN 51562-1
Viscosity Index VI		166	DIN ISO 2909
Brookfield Viscosity at -40 °C	mPa*s	6060	ASTM D5481
Pourpoint	°C	-63	DIN ISO 3016
Flashpoint		192	DIN EN ISO 2592
VKA Four Ball Test (Wear)	mm	0,58	DIN 51350-3
VKA Four Ball Test (EP Extreme Pressure)	N	2000 / 2200	DIN 51350-3
Seq. I at 24 °C	ml/ml	0/0	ASTM D892
Seq. II at 93,5 °C	ml/ml	0/0	ASTM D892
Seq. III at 24 °C after 93,5 °C	ml/ml	0/0	ASTM D892
Copper Strip Test at 150 °C		1a	ASTM D130

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.