



## RAVENOL AWD-H Fluid



ART.-NR. 1211140

300 ml | 1211140-300  
1 L | 1211140-001

**FABRICATION FULLY SYNTHETIC**

**RECOMMENDATIONS** BMW 83 22 2 413 513 | VW G 060 175 A2 | VW G 055 175 A2 | VW G 052 175 A2 | VOLVO 31367940 | OPEL 1940 057 | LAND ROVER LR003136 (HALDEX-ÖL BAUJAHR 2011-2014) | LAND ROVER LR054941 | GM 93165387

**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.

[Click here for the oil test analysis](#)

## Application Notes

**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.

## Characteristics

**RAVENOL AWD-H FLUID** offers:

- 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

| Property                                | Unit               | Data        | Audit           |
|---|--------------------|-------------|-----------------|
| Density at 20°C                         | kg/m <sup>3</sup>  | 855,0       | EN ISO 12185    |
| Colour                                  |                    | hellgelb    | visual          |
| Colour number                           |                    | 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 Viskosität bei -40 °C        | mPa*s              | 6060        | ASTM D5481      |
| Pourpoint                               | °C                 | -63         | DIN ISO 3016    |
| Flash point                             | °C                 | 192         | DIN EN ISO 2592 |
| VKA Vier Kugel Test (Verschleiß)        | mm                 | 0,58        | DIN 51350-3     |
| VKA Vier Kugel-Test (Hochdruck)         | N                  | 2000 / 2200 | DIN 51350-2     |
| KRL 20hr KV 100°C                       | mm <sup>2</sup> /s | 5,36        | DIN 51350-6     |
| Scherstabilität,KRL, Viskositätsverlust | %                  | 1,1         |                 |
| Foaming behavior SEQ I                  | ml                 | 0/0         | ASTM D892       |
| Foaming Behavior SEQ II                 | ml                 | 0/0         | ASTM D892       |
| Foaming behavior SEQ III                | ml                 | 0/0         | ASTM D892       |
| Cu-Korrosion bei 150°C                  |                    | 1a          | ASTM D130       |

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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