



## RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F

RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F is a special hydraulic fluid based on synthetic and mineral oil with non-ash forming additives. The properties of RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F are decisively determined by its special formulation. We guarantee an excellent low temperature stability.

### Application Notes

RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F is designed for a range of application from -40°C to +100°C.

RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F is used in electrically controlled MCP gearboxes from Peugeot/Citroën and in Dualogic and Selespeed gearboxes from FIAT/Alfa Romeo and therefore, shows ideal performance as a special hydraulic fluid in electrohydraulic and electrically controlled gears and gearshifts.

### Quality Classifications

RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F is tried and tested for aggregates specifying:

#### Practice and tested in aggregates with filling

Peugeot/Citroën 9979.A4 for MCP Automated Gearbox FIAT/Alfa Romeo 15081616 CS SPEED for Dualogic and Selespeed Gearbox FIAT 9.55550-SA1 Nr. F005.F98 Hydraulic fluid for Toyota hydraulic gearbox actuation systems, P/N 08886-02206

### Characteristic

RAVENOL Gearbox Hydraulic Actuator Fluid GHA-F offers:

- Extremely low pour point.
- Improved viscosity and friction value characteristics.
- Very good wear protection.
- An excellent thermal stability.
- Improved EP properties.
- Good foaming characteristics.
- Neutral behaviour towards sealing compounds.
- Reliable protection against corrosion.

Characteristics	Unit	Data	Audit
Colour		clear, green	visual
Density at 20°C	kg/m <sup>3</sup>	827	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	20,9	DIN 51562
Viscosity at 100°C	mm <sup>2</sup> /s	6,5	DIN 51562
Viscosity index VI		298	ISO 2909
Flash point (COC)	°C	190	DIN ISO 2592
Pourpoint	°C	<-50	DIN ISO 3016

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

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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