

- Certificate / Product Information -

RAVENOL Hydraulikoel TS 10 (HLP)

Art. 1323101

MINERAL

HYDRAULIC

Description:

RAVENOL Hydraulikoel TS 10 (HLP) is optimal alloyed mineral hydraulic oil with a high performance level and a wide application area of the whole industry.

RAVENOL Hydraulikoel TS 10 (HLP) with efficient additives offers an excellent corrosion protection even under extreme loads. The behaviour of sealing materials is neutral.

RAVENOL Hydraulikoel TS 10 (HLP) is characterised by good viscosity temperature behaviour, a high aging resistant and a solid corrosion protection.

Application Directions:

RAVENOL Hydraulikoel TS 10 (HLP) is for universal use in all hydraulic systems.

RAVENOL Hydraulikoel TS 10 (HLP) is recommended in high performance hydraulic systems with high pressure pumps of all types, in sensitive control systems.

RAVENOL Hydraulikoel TS 10 (HLP) is used for hydraulic systems in agriculture, to supply small gearboxes and for use in circulating systems.

Quality Classification:

RAVENOL Hydraulikoel TS 10 (HLP) is tried and tested for aggregates specifying:

Specification: DIN 51524-2 (HLP), ISO 6743-4 HM

Recommendations: Vickers Pump Test, FZG-Test A 8,3/90: 12th load level is reached, VDMA 24318, ASTM D6158, ISO 11158 HM, SAE MS1004 Typ HM, MIL-H 24 459, AFNOR NFE 48 603 (HM), DENISON HF-2 and HF-0, Cincinnati Milacron P-68, 69, 70, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Metso, Sauer-Danfoss 520L0463

Technical Characteristics:

RAVENOL Hydraulikoel TS 10 (HLP) offers:

- a high performance level
- a very good viscosity temperature behaviour
- a high aging resistant
- an excellent corrosion protection
- a solid corrosion protection
- mainly neutrality of sealing materials

Technical Values:

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m ³	829,0	EN ISO 12185
Colour		light yellow	visual
Viscosity at 100°C	mm ² /s	2,7	DIN 51562-1
Viscosity at 40°C	mm ² /s	9,9	DIN 51562-1
Viscosity Index VI		110	DIN ISO 2909
Pourpoint	°C	-45	DIN ISO 3016
Flashpoint	°C	170	DIN ISO 2592

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

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.