



## RAVENOL Hydraulikoel TS 46 (HLP)

RAVENOL Hydraulikoel TS 46 (HLP) is optimal alloyed hydraulic oil based on mineral oils with a high performance level and a wide application area of the whole industry. It is characterised by good viscosity temperature behaviour, a high aging resistant and a solid corrosion protection.

Efficient additives offer an excellent corrosion protection even under extreme loads. The behaviour of sealing materials is neutral.

### Application Notes:

RAVENOL Hydraulikoel TS 46 (HLP) is for universal use in all hydraulic systems. It is recommended in high performance hydraulic systems with high pressure pumps of all types, in sensitive control systems, for hydraulic systems in agriculture, to supply small gearboxes and for use in circulating systems.

### Quality Classifications:

RAVENOL Hydraulikoel TS 46 (HLP) is tried and tested for aggregates specifying:

### Specifications:

DIN 51 524, Part 2, Vickers-Pumpentest, FZG-Test A 8,3/90: 12. Laststufe, DENISON HF-1, HF-0, HF-2, MIL-H 24 459, AFNOR NFE 48 603 HM, Cincinnati Milacron P68 (HM-32), P69 (HM-68), P70 (HM-46), General Motors LH-04-1, General Motors LH-06-1, General Motors LH-15-1, US Steel 136, US Steel 127, Eickhoff-Bergbautechnik Empfehlung: Verwendung lt. Betriebsanleitung

### Characteristics:

RAVENOL Hydraulikoel TS 46 (HLP) offers:

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

Characteristics	Unit	Data	Audit
Colour		gelbbraun	visual
Density at 20°C	kg/m <sup>3</sup>	875	EN ISO 12185
Viscosity at -40°C	mPa*s	46,4	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	6,7	DIN 51 562
Viscosity index VI		97	DIN ISO 2909
Flash point (COC)	°C	232	DIN ISO 2592
Aging stability, TOST	H	2000	DIN 51 587
demulsifying power		40 ml/40 ml/10 min.	-

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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