



## RAVENOL Hydraulikoeil HLP-D 46

RAVENOL Hydraulikoeil HLP-D 46 is detergent hydraulic oil with good net and cleaning effect.

RAVENOL Hydraulikoeil HLP-D 46 is designed with selected base oils with additives to prevent corrosion, wear and friction.

RAVENOL Hydraulikoeil HLP-D 46 also contains detergent and dispersing agents, which always provide for a clean hydraulic system. These additives dissolve contaminants, hold them in suspension and enabling the cleaning of contaminated hydraulic systems. The functional elements of a hydraulic system thereby remain free of deposits and bonds. This will emulsified penetrating water and ensure trouble-free operation of the hydraulic system.

### Application Notes

RAVENOL Hydraulikoeil HLP-D 46 is for use in agriculture hydraulic systems, construction machinery, cement factories, foundries, electro-plate clutches. It can also be used as functional test oil, inlet oil for aggregates and machinery, textile machinery and machine tools.

RAVENOL Hydraulikoeil HLP-D 46 exceeds the requirements of hydraulic oils according to DIN 51 524 Part 2 for hydraulics.

### Quality Classifications

RAVENOL Hydraulikoeil HLP-D 46 is tried and tested for aggregates specifying:

#### **Practice and tested in aggregates with filling**

MAN N 698, DENISON HF-O, Daimler DBL 6721

### Characteristic

RAVENOL Hydraulikoeil HLP-D 46 offers:

- High aging resistance and high corrosion protection
- Good air release
- Excellent wear protection and proper conduct foam
- Very good viscosity-temperature behaviour
- neutral behaviour towards sealing materials
- Extremely good detergent and dispersant characteristics
- Excellent corrosion protection even at the ingress of wetness

Characteristics	Unit	Data	Audit
Colour		yellow brown	visual
Density at 20°C	kg/m <sup>3</sup>	866	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	47,3	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	7,2	DIN 51 562
Viscosity index VI		111	DIN ISO 2909
Flash point (COC)	°C	222	DIN ISO 2592
Pourpoint	°C	-30	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.

12.11.2015

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