



## RAVENOL Hydrauliköl TS AF 46

RAVENOL Hydrauliköl TS AF 46 is a zinc and ash-free compounded oil based phosphorous and sulfur intended especially for use in the metal industry. Excellent results were achieved in the Timken test. Through the addition of selected ingredients, RAVENOL Hydrauliköl TS AF 46 has excellent wear protection, good oxidation stability and has a long service life even under extreme conditions. Compatibility with sealants is neutral. Furthermore, the additives provide corrosion protection and prevent foaming. RAVENOL Hydrauliköl TS AF 46 exceeds the requirements of DIN 51 524 part 2 for HLP hydraulic oils.

### Application Notes

RAVENOL Hydrauliköl TS AF 46 is for use as a hydraulic fluid in the metal industry, if zinc and ash-free hydraulic oil and the specification DIN 51 524, Part 2 is required.

### Quality Classifications

RAVENOL Hydrauliköl TS AF 46 is tried and tested for aggregates specifying:

### Specifications

DIN 51 524, Part 2, SEB 181.222, 181.226, Vickers-Pumpentest, Timken-Test nach DIN E 51434, MAN N 698, FZG-Test A 8,3/90: 12. Laststufe

### Characteristic

RAVENOL Hydrauliköl TS AF 46 offers:

- High performance level
- Good oxidation stability
- High resistance to ageing
- Outstanding wear protection
- High level of corrosion protection
- Neutral to sealants
- No foaming

Characteristics	Unit	Data	Audit
Colour		gelbbraun	visual
Density at 20°C	kg/m <sup>3</sup>	875	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	45,3	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	7,0	DIN 51 562
Viscosity index VI		112	DIN ISO 2909
Flash point (COC)	°C	232	DIN ISO 2592
Pourpoint	°C	-25	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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