



RAVENOL Hydraulikoel TS 46 (HLP)



SPECIFICATIONS DIN 51524-2 (HLP), ISO 6743-4 HM
FABRICATION MINERAL

RECOMMENDATIONS AFNOR NF E 48-603 HM, ASTM D6158, GB 11118.1 L-HM (CONVENTIONAL), ISO 11158 HM, JCMAS HK | EATON VICKERS I-286-S, M-2950-S, FIVES CINCINNATI P-55, P-70, GENERAL MOTORS LH-02-1-04, LS-2, METSO | MÜLLER WEINGARTEN, SAUER-DANFOSS 520L0463, ZF TE-ML 07H

ART.-NR. 1323105

1 L | 1323105-001
5 L | 1323105-005
20 L | 1323105-020
20 L | 1323105-B20
208 L | 1323105-208
208 L | 1323105-D28
1000 L | 1323105-700

RAVENOL Hydraulikoel TS 46 (HLP) is optimal alloyed mineral hydraulic oil with a high performance level and a wide application area of the whole industry.

RAVENOL Hydraulikoel TS 46 (HLP) with efficient additives offers an excellent corrosion protection even under extreme loads. The behaviour of sealing materials is neutral.

RAVENOL Hydraulikoel TS 46 (HLP) is characterised by good viscosity temperature behaviour, a high aging resistant and a solid corrosion protection.

Application Notes

RAVENOL Hydraulikoel TS 46 (HLP) is for universally use in all hydraulic systems.

RAVENOL Hydraulikoel TS 46 (HLP) is recommended in high performance hydraulic systems with high pressure pumps of all types, in sensitive control systems.

RAVENOL Hydraulikoel TS 46 (HLP) is used for hydraulic systems in agriculture, to supply small gearboxes and for use in circulating systems.

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



| Property | Unit | Data | Audit |
|---------------------------------------|--------------------|---------------------|--------------|
| Density at 20°C | kg/m ³ | 871,5 | EN ISO 12185 |
| Colour | | gelbbraun | visual |
| Viscosity at 100°C | mm ² /s | 6,8 | DIN 51 562 |
| Viscosity at 40°C | mm ² /s | 46,1 | DIN 51 562 |
| Viscosity index VI | | 100 | DIN ISO 2909 |
| Pourpoint | °C | -27 | DIN ISO 3016 |
| Flash point (COC) | °C | 238 | DIN ISO 2592 |
| FZG-Test A/8,3/90 damage loading step | | 12 | DIN 51354 T2 |
| Aging stability, TOST | H | 2000 | DIN 51 587 |
| demulsifying power | | 40 ml/40 ml/10 min. | - |

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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