PRODUCT DATA SHEET

TIPP OIL Mineral Hydraulic HLP 10

TIPP OIL Manufacturer GmbH Co. KG
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Company registration number: HRA4299
VAT number: DE313987910

Revised on: 14.04.2025 | Number of the version: 01 | Replaces version: 01

Description of the
Tipp Oil Mineral Hydraulic HLP 10 is an optimally alloyed hydraulic oil. It has a high performance level and a wide range of applications throughout the industry. It offers excellent wear protection under extreme loads. Mineral Hydraulic HLP 10 is characterised in particular by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection.

Application notes
Tipp Oil Mineral Hydraulic HLP 10 can be used universally in all hydraulic systems. The operating instructions of the vehicle and engine manufacturers must be observed.

Quality classification specifications:
- AFNOR NF E 48-603 HM
- ASTM D6158
- CETOP RP 91H HM
- DIN 51524-2
- ISO 11158 HM
- ISO 6743-4 HM
- SAE MS1004 HM
- VDMA 24318

Recommendation:
- Bosch Rexroth RE 90220
- Danieli Hydraulics
- Metso
- Sauer-Danfoss 520L0463

Properties:
- High ageing resistance
- Neutral towards sealing materials
- Extensive protection against wear, corrosion and foaming
- Very stable and excellent viscosity and temperature behaviour

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Technical characteristics:

Eigenschaften	Daten	Einheit	Prüfung nach:
kinematic viscosity at 40°C	10,0	MM²/S	DIN ISO 51562-2
kinematic viscosity at 100°C	2,7	MM²/S	DIN ISO 51562-2
viscosity index	110		DIN ISO 2909
appearance	Colorless		
visuell density at 15°C	836	KG/M³	DIN EN ISO 12185
Pour Point	-51	CELSIUS	ASTM D 7346