

PRODUCT DATA SHEET



TIPP OIL Mineral Hydraulic HLP 100

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 100 is an optimally alloyed hydraulic oil. It has a high performance level and a wide range of applications throughout the industry. Mineral Hydraulic HLP 100 offers excellent wear protection under extreme loads. Mineral Hydraulic HLP 100 is characterised in particular by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection.

Application notes

Tipp Oil Mineral Hydraulic HLP 100 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
- GB 111118.1 L-HM (conventional)
- ISO 11158 HM, ISO 6743-4 HM
- MIL-PRF-17672 E
- SAE MS1004 HM
- SEB 181 222
- Swedish Standard SS 155434
- VDMA 24318

Recommendation:

- Bosch Rexroth RE 90220
- Danieli Hydraulics
- Denison HF-0/HF-1/HF-2
- Sauer-Danfoss 520L0463

Properties:

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

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Technical characteristics:

| Eigenschaften | Daten | Einheit | Prüfung nach: |
|------------------------------|--------|---------|------------------|
| kinematic viscosity at 40°C | 100,2 | MM²/S | DIN ISO 51562-2 |
| kinematic viscosity at 100°C | 11,2 | MM²/S | DIN ISO 51562-2 |
| viscosity index | 98 | | DIN ISO 2909 |
| appearance | Yellow | | |
| visuell density at 15°C | 878 | KG/M³ | DIN EN ISO 12185 |
| Pour Point | -21 | CELSIUS | ASTM D 7346 |

All data given are approximate values and are subject to the usual production fluctuations. To the best of our knowledge, all information corresponds to the current state of knowledge and our development. We reserve the right to make changes. All references to DIN standards are for product description purposes only and do not constitute a guarantee. In the event of problems, please request technical advice.
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