

PRODUCT DATA SHEET



TIPP OIL Mineral Hydraulic HLP 32

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 32 is a mineral oil-based hydraulic fluid with highly effective additives. It is optimally alloyed, has a high performance level and a wide range of applications within the entire industry. Thanks to its effective additives, Mineral Hydraulic HLP 32 offers a high level of wear protection even under extreme loads. Mineral Hydraulic HLP 32 is characterised in particular by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection.

Application notes

Tipp Oil Mineral Hydraulic HLP 32 can be used universally in all hydraulic systems. It is recommended for hydraulic systems subject to high thermal loads with all types of high-pressure pumps, in sensitive control systems and also for supplying small gearboxes and for use in circulation systems.

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
- JCMAS HK
- MIL-PRF-17672 E
- SAE MS1004 HM
- SEB 181 222

Recommendation:

- VDMA 24318
- Atos
- Bosch Rexroth RE 90220
- Danieli Hydraulics
- Denison HF-0/HF-1/HF-2
- Eaton/Sperry Vickers I-286-S, Eaton/Sperry Vickers M-2950-S
- Fives Cincinnati P-38/P-68
- GM LH-02-1-04, GM LS-2
- Metso
- Müller Weingarten
- US Steel 126, US Steel 127, US Steel 136

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- Voith Turbo (HLP 32)
- Sauer-Danfoss 520L0463

Properties:

- Reliable protection against corrosion
- Very good oxidation stability
- Neutral towards sealing materials
- Excellent wear protection
- High ageing resistance

Technical characteristics:

| Eigenschaften | Daten | Einheit | Prüfung nach: |
|------------------------------|--------|---------|------------------|
| kinematic viscosity at 40°C | 32,0 | MM²/S | DIN ISO 51562-2 |
| kinematic viscosity at 100°C | 5,6 | MM²/S | DIN ISO 51562-2 |
| viscosity index | 115 | | DIN ISO 2909 |
| appearance | Yellow | | |
| visuell density at 15°C | 859 | KG/M³ | DIN EN ISO 12185 |
| Pour Point | -33 | 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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