

# PRODUCT DATA SHEET



## TIPP OIL Mineral Hydraulic HLP 320

### 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 320 is an optimally alloyed hydraulic oil. It has a high performance level and a wide range of applications throughout the industry. Mineral Hydraulic HLP 320 offers excellent wear protection under extreme loads. Mineral Hydraulic HLP 320 is characterised in particular by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection.

### Application notes

Tipp Oil Mineral Hydraulic HLP 320 can be used universally in all hydraulic systems. The operating instructions of the vehicle and engine manufacturers must be observed.

### Quality classification specifications:

- DIN 51506, Teil 2

### Recommendation:

- Jahnel Kestermann
- AGMA 9005 E02 (EP)
- Cincinnati Machine P 74
- David Brown S1.53.101 Typ E
- Eickhoff Bergbautechnik
- Eickhoff Gear
- Flender Industrial Gear GE787/788 und GA880
- US Steel 224

### Properties:

- High ageing resistance
- High performance level
- Extensive protection against wear, corrosion and foaming
- Neutrality towards sealing materials
- High standards for a long service life

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### Technical characteristics:

Eigenschaften	Daten	Einheit	Prüfung nach:
kinematic viscosity at 40°C	339,0	MM²/S	DIN ISO 51562-2
kinematic viscosity at 100°C	18,9	MM²/S	DIN ISO 51562-2
viscosity index	93		DIN ISO 2909
appearance	Yellow		
visuell density at 15°C	900	KG/M³	DIN EN ISO 12185
Pour Point	-12	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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