

# PRODUCT DATA SHEET



## TIPP-OIL Hydraulic HVLP AF 32

### TIPP OIL Manufacturer GmbH Co. KG

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Company registration number: HRA4299  
VAT number: DE313987910

Revised on: 02.04.2025 | Number of the version: 01 | Replaces version: 01

### Description of the

TIPP-OIL Hydraulic HVLP AF 32 is an ashless and zinc-free multigrade hydraulic oil. Hydraulic HVLP AF 32 offers high wear protection thanks to effective additives, even under extreme loads. Hydraulic HVLP AF 32 is characterised in particular by its good viscosity temperature behaviour and reliable corrosion protection.

### Application notes

TIPP-OIL Hydraulic HVLP AF 32 is particularly suitable for hydraulic systems with strongly fluctuating operating temperatures. Hydraulic HVLP AF 32 is ideally suited for heavy-duty hydraulic systems, earth-moving machinery and agricultural machinery. It is favoured for strongly fluctuating operating temperatures and must not be used in hydraulic systems that contain silver or silver-plated components and operating elements.

### Quality classification specifications:

- AFNOR NF E 48-603 HV
- AFNOR NF E 48-690/1
- CETOP RP 91H HV
- GB 111118.1 L-HV
- ISO 11158 HV
- ISO 6743-4 HV
- JCMAS HK VG32W
- SAE MS1004

### Recommendation:

- Bosch Rexroth RE 90220
- Denison HF-0/HF-1/HF-2
- Eaton/Sperry Vickers I-286-S
- Eaton/Sperry Vickers M-2950-S
- Fives Cincinnati P-68
- GM LH-03-1-04, GM LS-2
- Sauer-Danfoss 520L0463
- US Steel 126, US Steel 127, US Steel 136

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### Properties:

- Reliable protection against corrosion
- Excellent wear protection
- A stable viscosity index
- Very good oxidation stability
- Prevention of foaming due to good air and water separation capacity
- A very low pour point
- Neutrality towards sealing materials

### Technical characteristics:

Eigenschaften	Daten	Einheit	Prüfung nach:
kinematic viscosity at 40°C	32,1	MM <sup>2</sup> /S	DIN ISO 51562-2
kinematic viscosity at 100°C	6,5	MM <sup>2</sup> /S	DIN ISO 51562-2
viscosity index	160		DIN ISO 2909
appearance	Yellow		
visuell density at 15°C	855	KG/M <sup>3</sup>	DIN EN ISO 12185
Pour Point	-48	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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