

PRODUCT CERTIFICATE



TIPP OIL Manufacturer GmbH Co. KG

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Company registration number: HRA4299
Sales tax identification number: DE331814405

Revised on: 18.03.2025 | Number of the version: 01 | Replaces version: 01

TIPP-OIL HVLPD 46

Description:

Tipp-Oil HVLPD 46 is a detergent hydraulic oil with a high viscosity index for use in a wide temperature range (multigrade hydraulic oil). HVLPD 46 is characterised particularly by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection. HVLPD 46 also contains dispersing and detergent agents that always ensure clean hydraulics. These additives dissolve contaminants, keep them in suspension and thus enable the cleaning of contaminated hydraulic systems. Penetrating water is emulsified and trouble-free operation of the hydraulic system is guaranteed.

Instructions for use:

Tipp-Oil HVLPD 46 is particularly suitable for use in hydraulic systems that are exposed to strongly fluctuating operating temperatures, abrasion, dirt and water. HVLPD 46 is ideal for heavy-duty mobile (agricultural, forestry and construction machinery) and stationary (industrial plants, etc.) hydraulic systems.

Specification:

- AFNOR NF E 48-603 HV
- CETOP RP 91H HV
- DIN 51524-3
- ISO 6743-4 HV

Recommendation:

- Denison HF-0/HF-1/HF-2
- Eaton/Sperry Vickers 1-286-S
- Eaton/Sperry Vickers M-2950-S
- GM LH-04-1, GM LH-06-1, GM LH-15-1
- US Steel 136

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Features & Benefits:

- Zinc and ash-free
- Excellent wear protection
- Good oxidation stability
- Very low pour point
- Reliable protection against corrosion even when absorbing moisture
- Excellent detergent and dispersing properties
- Good air and water separation capacity, thus preventing foam formation
- Neutral towards plastic seals
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- Good air and water separation capacity, thus preventing foam formation

Technical specifications:

Properties	Data	Unit	Testing under
kinematic viscosity at 40°C	46,5	MM ² /S	DIN ISO 51562-2
kinematic viscosity at 100°C	8,5	MM ² /S	DIN ISO 51562-2
viscosity index	163		DIN ISO 2909
appearance	Yellow		VISUELL
density at 15°C	861	KG/M ³	DIN EN ISO 12185
Pour Point	-42	°C	ASTM D 7346

All declared values are approximate and subject to standard production variations. To the best of our knowledge all information reflects the current state of findings and our development.

Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems arise, please consult a technician. 26.07.2024 02:00:00