

PRODUCT CERTIFICATE



TIPP-OIL HLP AF 46

TIPP OIL Manufacturer GmbH Co. KG

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Company registration number: HRA4299
Sales tax identification number: DE331814405

Revised on: 14.03.2025 | Number of the version: 01 | Replaces version: 01

Description:

TIPP-OIL HLP AF 46 is an optimally alloyed ash-free hydraulic oil. It has a high performance level and a wide range of applications throughout the industry. HLP AF 46 is characterised by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection.

Instructions for use:

TIPP-OIL HLP AF 46 is suitable for all hydraulic systems and can be used universally. Especially for use in circulation systems, for supplying small gears, for thermally highly stressed hydraulic systems, hydraulic systems with high-pressure pumps of all types, in sensitive control systems and for hydraulic systems in agriculture, the use of HLP AF 46 is recommended.

Specification:

- DIN 51524-2
- SEB 181 222

Recommendation:

- Müller Weingarten
- Thyssen TH-N256-142
- US Steel 127, US Steel 136

Features & Benefits:

- High performance level
- High ageing resistance
- Reliable corrosion protection
- Excellent high pressure properties
- Good demulsifying properties
- Very good viscosity-temperature behaviour
- Excellent wear protection
- Neutral towards sealing materials
- Soluble in PAO
- Good air release properties

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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	7,2	MM ² /S	DIN ISO 51562-2
viscosity index	116		DIN ISO 2909
appearance	Yellow		VISUELL
density at 15°C	860	KG/M ³	DIN EN ISO 12185
Pour Point	-30	°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