

PRODUCT CERTIFICATE



TIPP-OIL
HLP AF 32

TIPP OIL Manufacturer GmbH Co. KG

Am Langen Kamp 2
59192 Bergkamen · Germany

Tel: (+49) 02307 9703274

Fax: (+49) 02307 9703275

Web: www.tippoil.com

E-Mail: contact@tippoil.com

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 32 is suitable for all hydraulic systems and can be used universally. Especially for use in circulation systems, for the supply of 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 32 is recommended.

Instructions for use:

TIPP-OIL HLP AF 32 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 32 is characterised by good viscosity-temperature behaviour, high ageing resistance and reliable corrosion protection. and reliable corrosion protection.

Specification:

- AFNOR NF E 48-603 HM
- ASTM D6158
- DIN 51524-2
- GB 111118.1 L-HM (conventional)
- ISO 11158 HM
- ISO 6743-4 HM
- SAE MS1004 HM
- SEB 181 222

Recommendation:

- 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-03-1-04
- Müller Weingarten
- Thyssen TH-N256-142
- US Steel 127, US Steel 136

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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

Technical specifications:

Properties	Data	Unit	Testing under
kinematic viscosity at 40°C	32,2	MM ² /S	DIN ISO 51562-2
kinematic viscosity at 100°C	5,7	MM ² /S	DIN ISO 51562-2
viscosity index	117		DIN ISO 2909
appearance	Yellow		VISUELL
density at 15°C	858	KG/M ³	DIN EN ISO 12185
Pour Point	-33	°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