



IPT International Petroleum Trading LTD
Robert-Bosch-Strasse 12
25335 Elmshorn
Company registration number: HRB 13315 PI
Sales tax identification number: DE313987910
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product certificate

TIPP-OIL Hydraulic HVLP AF 32 0002-000228

Description of the

TIPP-OIL Hydraulic HVLP AF 32 is an ash and zinc free multi-grade hydraulic oil. Hydraulic HVLP AF 32 offers high wear protection even under extreme loads due to effective additives. Hydraulic HVLP AF 32 is particularly characterized by good viscosity and temperature behaviour and reliable corrosion protection.

Application note:

Hydraulic HVLP AF 32 is mainly used in hydraulic systems with strongly fluctuating operating temperatures. Hydraulic HVLP AF 32 is ideally suited for heavy-duty hydraulic systems, earthmoving machinery and agricultural machinery. It is favoured for strongly fluctuating operating temperatures and must not be used for hydraulic systems containing silver or silver-plated construction and operating elements.

Specifications

DIN 51524 Part 3 HVLP

Tried and tested in practice in units with filling regulations:

AFNOR 48 603 HV, CETOP RP 91H-HV, DENISON HF-1, HF-0, HF-2, General Motors LH-04-1, General Motors LH-06-1, General Motors LH-15-1, ISO 6743/4-HV, Sperry Vickers 1-286-S, Sperry Vickers M-2950-S, 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

good air and water separation properties prevent the formation of foam

very low yield point

neutral to sealing materials

Properties Data Unit Test according to

kinematic viscosity at 40°C 32,000 MM²/S DIN ISO 51562-2

Viscosity at 100°C 6,600 MM²/S DIN ISO 51562-2

Viscosity index 167 DIN ISO 2909

Colour Yellow visual

Density at 15°C 859.0 KG/M³ DIN EN ISO 12185

Pourpoint -48 °C ASTM D 7346

All data given are approximate values and are subject to the usual production fluctuations.

To the best of our knowledge, all data correspond 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 any problems, request technical advice.



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