



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 HLP AF 68

#### Description of the

TIPP-OIL HLP AF 68 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 68 is particularly characterised by good viscosity and temperature behaviour, high ageing resistance and reliable corrosion protection.

#### Application note:

HLP AF 68 is suitable for all hydraulic systems and can be used universally. The use of HLP AF 68 is recommended especially for use in circulation systems, for the supply of small gears, for thermally highly loaded hydraulic systems with high-pressure pumps of all types, in sensitive control systems and for hydraulic systems in agriculture.

#### Specifications

DIN 51524, part 2

#### Tried and tested in practice in units with filling regulations:

Muller Weingarten, SEB 181 222, Thyssen TH-N256-142, US Steel 127, US Steel 136

#### Properties:

High performance level

Very good viscosity-temperature behaviour



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High ageing resistance

Excellent wear protection

Reliable corrosion protection - Neutral towards sealing materials

Excellent high pressure properties

Soluble in PAO

Good demulsifying capacity

Good air separation capacity

Properties Data Unit Test according to

kinematic viscosity at 40°C 68.5 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity at 100°C 9.2 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity index 112 DIN ISO 2909

Colour Yellow visual

Density at 15°C 871.9 KG/M<sup>3</sup> DIN EN ISO 12185

Pourpoint -33 °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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