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product certificate

TIPP-OIL Mineral Hydraulic HLP 22 0002-000238

Description of the

TIPP-OIL Mineral Hydraulic HLP 22 is a mineral oil based hydraulic fluid with highly effective additives. It is optimally alloyed, has a high performance level and a wide range of applications within the entire industry. Mineral Hydraulic HLP 22 offers high wear protection even under extreme loads due to effective additives. Mineral Hydraulic HLP 22 is characterized by good viscosity and temperature behaviour, high ageing resistance and reliable corrosion protection.

Application note:

Mineral Hydraulic HLP 22 can be used universally in all hydraulic systems. It is recommended for thermally highly stressed hydraulic systems with high-pressure pumps of all types, in sensitive control systems and also for supplying small gears and for use in circulation systems.

Specifications:

DIN 51 524, part 2

Tried and tested in practice in units with filling regulations:

AFNOR NFE 48 603 HM, DENISON HF-1, HF-0, HF-2, FZG test A 8.3/90: 12th load stage

Properties:

High ageing resistance



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Reliable protection against corrosion

Excellent wear protection

Neutrality towards sealing materials

Very good oxidation stability

Properties Data Unit Test according to

kinematic viscosity at 40°C 23.9 MM<sup>2</sup>/S DIN ISO 51562-2

Viscosity index 114 DIN ISO 2909

Colour Yellow visual

Density at 15°C 861 KG/M<sup>3</sup> DIN EN ISO 12185

Pourpoint -12 °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.