

NISOTEC HIDROL HV 46

Description

NISOTEC HIDROL HV 46 is a premium high-performance hydraulic oil designed to meet a wide range of hydraulic system requirements. Formulated with high-quality mineral base oils and selected Zn-based additives. Provides excellent anti-wear properties, rust and corrosion protection, oxidation resistance and anti-foaming properties. They are intended for hydraulic systems, outdoors or indoors, that require oil with high viscosity index and stable viscosity with changes in ambient temperature.

Advantages

- High viscosity index and good shear stability - It maintains a stable viscosity value during a long period of application, thus enabling precise operation of the system.
- Excellent anti-wear characteristics - Proven zinc-based additives help reduce wear and protect the pump and components, thus extending the life of the equipment.
- Low tendency towards foaming - A permanent, constant, oil film provides protection against wear in all working conditions.
- Excellent thermal and oxidation stability - It provides excellent resistance to oil aging and thus enables a longer replacement interval.
- Low pour point - Good fluidity at low temperatures.
- Exceptional protection against rust and corrosion - Effectively protects all parts of the system, thereby extending the service life of the equipment.

Application

- Hydraulic and circulation systems that operate outdoors throughout the year in a wide range of outdoor operating temperatures.
- A wide range of hydraulic systems: industrial equipment, agricultural, construction and mining machinery.
- Hydraulic systems that require oil of stable viscosity with changing ambient temperature.
- Hydraulic pumps of various types and manufacturers.

Physico-chemical characteristics

Indicator	Method	NISOTEC HIDROL HV 46
ISO grade		46
Kinematic Viscosity at 100 °C, mm ² /s at 40 °C, mm ² /s	ISO 3104 ISO 3104	7.85 46
Viscosity Index	ISO 2909	140
Corrosion of the copper 3 hours at 100 °C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-36
Flash Point (COC), °C	EN ISO 2592	215
Density at 15 °C, kg/m ³	EN ISO 3675	875

Specifications

- DIN 51524-3 (HVLP)
- ISO 6743-4 (L-HV)
- ISO 11158 (L-HV)
- DIN 51524-3 (HVLP)
- Denison Hydraulics HF-0
- Denison Hydraulics HF-1
- Denison Hydraulics HF-2
- Sperry Vickers M-2950-S
- Sperry Vickers I-286-S
- Afnor NF E 48-603 (HV)

The company's management system is certified in accordance with international standards

ISO 9001



ISO 14001



ISO/TS 16949



OHSAS 18001



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The above data are typical for the current production. Due to continuous research and development, the information provided in the document may be changed.
Information on the safe use of the product is contained in the Safety Data Sheet. You can get more detailed information from the technical specialists of the company.
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