







NISOTEC HIDROL HV 46

 Hydraulic systems	 Wide operating temperature range	 Oxidative stability
 Good filterability	 Mineral	 Anti-wear characteristics

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.

Applications:



- 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

Characteristics	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

Specification:

- ISO 6743-4 (L-HV);
- ISO 11158 (L-HV);
- DIN 51524-3 (HVLVP);
- DENISON HF-0/HF-1/HF-2;
- SPERY VICKERS M-2950-S/I-286-S;
- AFNOR NF E 48-603 (HV)

Typical characteristics

Characteristics	Method	NISOTEC HIDROL HV 46
ISO grade		46
Kinematic viscosity at 40°C, mm ² /s	ISO 3104	46
Kinematic viscosity at 100°C, mm ² /s	ISO 3104	7,85
Viscosity Index	ISO 2909	140
Cu strip corrosion, 3h, 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

Health, Safety and Environment

Information on the safe handling, storage and disposal of the product, as well as information on precautionary measures and potential hazards, effects on human health and the environment can be found in the Product Safety Data Sheet (SDS). Store the product in its original packaging protected from atmospheric influences. Shelf life 5 years from the date of manufacture.

Available packaging



10L



20L



205L



1000L