

NISOTEC HIDROL HV 100



Hydraulic systems



Wide operating temperature range



Oxidative stability



Good filterability

Mineral



Anti-wear characteristics

NISOTEC HIDROL HV 100 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	It maintains a stable viscosity value during a long period of	
good shear stability	application, thus enabling precise operation of the system	
Excellent anti-wear	Proven zinc-based additives help reduce wear and protect the	
characteristics	pump and components, thus extending the life of the equipment	
Low tendency towards	A permanent, constant, oil film provides protection against wear in	
foaming	all working conditions	
Excellent thermal and	It provides excellent resistance to oil aging and thus enables a	
oxidation stability	longer replacement interval	
Low pour point	Good fluidity at low temperatures	
Exceptional protection	Effectively protects all parts of the system, thereby extending the	
against rust and corrosion	service life of the equipment	

✓ ISO 9001

✓ ISO 14001

✓ ISO 45001

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✓ CERTIFIED

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ISO 50001



HYDRAULIC OIL



Specification:

- ISO 6743-4 (L-HV);
- ISO 11158 (L-HV);
- DIN 51524-3 (HVLP);

- DENISON HF-0/HF-1/HF-2;
- AFNOR NF E 48-603 (HV)

Typical characteristics

Characteristics	Method	NISOTEC HIDROL HV 100
ISO grade		100
Kinematic viscosity at 40°C, mm ² /s	ISO 3104	100
Kinematic viscosity at 100°C, mm ² /s	ISO 3104	13,91
Viscosity Index	ISO 2909	140
Cu strip corrosion, 3h, 100°C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-30
Flash Point (COC), °C	EN ISO 2592	230
Density at 15°C, kg/m ³	EN ISO 3675	883

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



✓ ISO 9001

✓ ISO 14001
✓ ISO

ISO 45001

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