

# **NISOTEC HIDROL HM 68**



Hydraulic systems



Stable viscosity under high pressures



Oxidative stability



Good filterability

Mineral



Anti-wear characteristics

**NISOTEC HIDROL HM 68** is a high-performance hydraulic oil designed to meet a wide range of stationary 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, which work primarily in a closed space, in conditions of relatively constant ambient temperatures.

## **Applications:**



- Hydraulic and circulation systems that work primarily indoors or outdoors in conditions of relatively constant ambient temperatures
- Wide range of hydraulic systems: industrial equipment, machine tools, presses, etc.
- Lightly loaded industrial gears and bearings where medium anti-wear characteristics are required
- Hydraulic pumps of different types and manufacturers

Characteristics	Advantages	
Stable viscosity	It maintains a stable viscosity value under conditions of different	
Otable viscosity	pressures, which enables precise operation of the system	
Excellent anti-wear	Proven zinc-based additives help reduce wear and protect the pump	
characteristics	and components, thus extending the life of the equipment	
Low tendency towards	A permanent, constant, oil film provides protection against wear in all	
foaming	working conditions	
Excellent thermal and	It provides excellent resistance to oil aging and thus enables a longer	
oxidation stability	replacement interval	
The ability to extract	Efficient separation of the water present allows for a long oil change	
water	period	
Exceptional protection	Effectively protects all parts of the system, thereby extending the	
against rust and	Effectively protects all parts of the system, thereby extending the service life of the equipment	
corrosion		

🗸 ISO 9001

✓ ISO 45001

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✓ CERTIFIED

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**ISO 50001** 





#### Specification:

- ISO 6743-4 (L-HM);
- ISO 11158 (L-HM);
- DIN 51524-2 (HLP);
- DENISON HF-0/HF-1/HF-2;

- SPERY VICKERS I-286-S;
- AFNOR NF E 48-603 (HM);
- AIST (US Steel) 126,127

## **Typical characteristics**

Characteristics	Method	NISOTEC HIDROL HM 68
ISO grade		68
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104	68
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ISO 3104	8,57
Viscosity Index	ISO 2909	95
Cu strip corrosion, 3h, 100°C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-21
Flash Point (COC), °C	EN ISO 2592	225
Density at 15°C, kg/m <sup>3</sup>	EN ISO 3675	882

## 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

 $\checkmark$ 

ISO 14001 🗸 ISO 4

#### ISO 45001

#### ✓ CERTIFIED

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