



NISOTEC HIDROL HM 32

Description

NISOTEC HIDROL HM 32 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.

Advantages

- Stable viscosity - It maintains a stable viscosity value under conditions of different pressures, which enables 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.
- The ability to extract water - Efficient separation of the water present allows for a long oil change period.
- 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 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.

Physico-chemical characteristics

Indicator	Method	NISOTEC HIDROL HM 32
ISO grade		32
Kinematic Viscosity at 100 °C, mm ² /s at 40 °C, mm ² /s	ISO 3104 ISO 3104	5.31 32
Viscosity Index	ISO 2909	95
Corrosion of the copper 3 hours at 100 °C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-21
Flash Point (COC), °C	EN ISO 2592	215
Density at 15 °C, kg/m ³	EN ISO 3675	873

Specifications

- DIN 51524-2 (HLP)
- ISO 6743-4 (L-HM)
- ISO 11158 (L-HM)
- DIN 51524-2 (HLP)
- Denison Hydraulics HF-0
- Denison Hydraulics HF-1
- Denison Hydraulics HF-2
- Sperry Vickers I-286-S
- Afnor NF E 48-603 (HM)
- AIST (US Steel) 126
- AIST (US Steel) 127

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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