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Rel. # 3 on 28/01/2024

Technical note

IDRAULIC 32

MAIN FEATURES

IDRAULIC 32 is an anti-wear hydraulic oil to be used mainly in hydraulic controls and hydrostatic transmissions of agricultural, earthmoving, construction and industrial machinery, subjected to moderately severe operating conditions with regards to operating pressures and temperatures, however lower than 90°C. It has excellent anti-wear characteristics (passes the 11th stage of the F2G DIN 51534 test), reducing wear and tear on all parts of the hydraulic circuit; good demulsibility, minimal tendency to foam and prompt separation of the incorporated air; good fluidity at low temperatures, facilitates the starting of machinery operating in harsh climates. Thanks to its anti-wear (which reduces the wear and tear of the parts) and anti-rust (which protects against corrosion) properties it ensures a long operational life of the machinery in which it is used.

Performance:

Viscosity index: > 100 ASTM D 2270

The IDRAULIC line, "multifunctional anti-wear hydraulic oils" meet the performance levels required by the following specifications and classifications:

ISO -L-HM

DIN 51524 part II, HL-P

CINCINNATI MILACRON P68-P69-P70 AFNOR E 48-603 HM

SPERRY VICKERS M 2952 S DENISON HF - 2 and HF -0

CHEMICAL-PHYSICAL FEATURES

Appearance: Clear yellow-brown liquid (color 3 max)

Odor: Slight petroleum odor.

Odor threshold: Low pH: Not applicable

Melting point/freezing point: < -24°C

Initial boiling point and boiling range: > 300°C

Flash point: min. 170°C - max. 240°C

Upper/lower flammability or explosive limits: LEL ≥ 45 g/m³

(Aerosol) Vapor pressure: ≤ 0.1 hPa (20 °C)

Relative density: min. 0.865 - max. 0.875 g/ml at 15°C

Solubility: In all organic solvents

Water solubility: Insoluble

Auto-ignition temperature: > 300°C

Viscosity: from 28.8 to 35.2 cSt at 40°C

Oxidizing properties: Non-oxidizing

- VOC content: = 0% (EU,CH)

- Viscosity index: > 100

- Neutralization number: 0.4-0.8 mg KOH/g (IP 1A)

APPLICATIONS

Multifunctional anti-wear hydraulic oil.

Due to its specific characteristics it can be used in all circulation lubrication systems of industrial machinery, medium-loaded straight or helical gear reducers, machine tool heads, box gears of operating machines, bearings of electric motors and electric pumps, rotary compressors, etc

PRECAUTIONS FOR USE

This lubricant does not present any special risks if used according to our recommendations and applied correctly. A safety data sheet in compliance with the EU legislation is available from your sales advisor.

Store possibly indoors. If it is stored outdoors, keep the kegs in a horizontal position and cover them with a lid to avoid water infiltration. Do not store at temperatures above 60 °C or directly in the sun as it is good to keep them in places not subject to frost.

Protect the environment, avoid dispersion of used oil and containers.



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CLASSIFICATION AND LABELLING

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
None

Hazard Class and Category Code(s):
Nonhazardous

Hazard statement Code(s):
Nonhazardous

UN Number: 0000

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