



CONSORZIO PETROLIERI DELL'ALTA ITALIA
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Rel. # 2 on 28/12/2017

Technical note

IDRAULIC 46

MAIN FEATURES

It is a high performance antiwear hydraulic oil, specifically designed to meet the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers.

It's formulated with selected base oils treated with "low zinc" technology ensuring excellent antiwear, antirust and antioxidant properties. It has an outstanding filterability in service.

This product is also suitable for other duties in which lubricants of high oxidation stability and lubrication performance are required, allowing use of a single product with excellent performance characteristics.

- Prolongs oil change life extending re-lubrication intervals thanks to very high thermo-oxidative stability
- Suitable for hydraulic systems with very thin filters (3 microns)
- Maximizes water removal system efficiency thanks to excellent demulsibility
- Protects components reducing downtime thanks to outstanding antiwear property (FZG Failure Load Stage: >12°)
- Helps prevent aeration and cavitation damage in low residence time systems thanks to rapid air release
- Minimizes deposits formation contributing to system cleanliness

CHEMICAL-PHYSICAL FEATURES

Appearance: Viscous clear liquid of amber color

Odour: Lightly oil

Odour threshold: faint

pH: Not applicable

Melting point/freezing point: < -24°C (Pour point)

Initial boiling point and boiling range: > 200°C

Flash point: 212°C

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

Vapour pressure: ≤ 0,1 hPa (20 °C)

Relative density: min. 0,865 - max. 0,875 gr/ml a 15°C

Solubility: In oil and hydrocarbons

Water solubility: Not soluble

Auto-ignition temperature: ≥ 300 °C

Viscosity: from 41,4 to 50,6 cSt at 40°C

VOC content: = 0% (EU,CH)

Viscosity index: >100

Neutralization number: 0,4-0,8 mg KOH/g (IP 1A)

APPLICATIONS

Specifically designed to meet the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers.

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.

CLASSIFICATION AND LABELLING

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



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Pictograms:
None

Hazard Class and Category Code(s):
Nonhazardous

Hazard statement Code(s):
Nonhazardous

UN Number: 0000

Instructions: The instructions and the information brought on this document are fruit of experiences of laboratory and practical employment and therefore accurate and pertinent. Being the Royal conditions of use from the consumers aldilà of every possibility of ours of control, they are furnished on our behalf without some responsibility or guarantee, implicit or explicit. For further information we beg You to contact our Technical Service.