



Hydransafe HFDU 68

Fire-resistant and biodegradable hydraulic fluid

APPLICATIONS

Hydraulic circuits.

Hydransafe HFDU 68 is an ester-based, high-performance, and fire-resistant hydraulic fluid.

Hydransafe HFDU 68 is designed for hydraulic equipment operating in locations comprising a fire risk, such as iron and steel works (coking plants, blast furnaces, continuous casting), mines...

The use of Hydransafe HFDU 68 lessens the serious risks presented by recourse to a mineral oil on the occasion of rupture of a hose or when a leak gives rise to oil mist, in the immediate vicinity of a flame, a part in the process of melting or a switch cupboard.

Hydransafe HFDU 68 is especially recommended when there is a risk of water contamination: offshore, mines...

SPECIFICATIONS

EN ISO 12922

ISO 6743/4 HFDU

ADVANTAGES

With its considerable fire resistance properties, is associated exceptional lubricating properties which guarantee a substantial reduction in wear, and therefore a longer service life of the hydraulic components.

High flash point and high spontaneous ignition temperature.

Low pour-point providing good performances at low temperature.

Very high natural viscosity index, guaranteeing a viscosity constantly adapted to the temperature range in which the fluid must be used.

Very good anticorrosion properties in relation to ferrous and non-ferrous metals making up a hydraulic circuit.

Very good oxidation stability: enhanced service life.

The product is not expected to produce adverse effects on health.

Maximum operating temperature is 120°C.

Biodegradable.

APPROVALS

FACTORY MUTUAL in accordance with FM Approval Standard 6930 - "Flammability classification of Industrial Fluids".

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com



TYPICAL CHARACTERISTICS

Properties	Units	Standards	Hydransafe HFDU 68
Density at 15°C	kg/m ³	ISO 3675	933
Viscosity at -20°C	mm ² /s	ISO 3104	2911
Viscosity at 40°C	mm ² /s	ISO 3104	71.6
Viscosity at 100°C	mm ² /s	ISO 3104	12.9
Viscosity index	-	ISO 2909	184
Air release at 50°C	Min	ISO 9120	6
TAN	mgKOH/g	ISO 6618	1.1
Pour point	°C	ISO 3016	-42
Water content	ppm	ISO 760	<500
Rust prevention test	-	ISO 7120	Pass
Flash point open cup	°C	ISO 2592	330
Fire point	°C	ISO 2592	358
Autoignition temperature	°C	ASTM 2155	450

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