



Hydransafe HFDU 46

Fire-resistant and biodegradable hydraulic fluid

APPLICATIONS

Hydraulic circuits.

Hydransafe HFDU 46 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 46 is recommended for hydraulic equipment operating in locations comprising a fire risk such as iron and steel works (coking plants, blast furnaces, continuous casting), mines, etc... Thanks to its biodegradability, it is especially recommended when there is a possibility of water contamination: offshore, mines...

SPECIFICATIONS

EN ISO 12922

ISO 6743/4 HFDU

ADVANTAGES

Considerable fire resistance properties.

High flash point and high spontaneous ignition temperature.

Low pour-point providing good performances at low temperature.

Protection against wear and therefore a longer service life of the hydraulic components. Very good anticorrosion properties

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

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 46
Density at 15°C	kg/m ³	ISO 3675	920
Viscosity at -20°C	mm ² /s	ISO 3104	1580
Viscosity at 40°C	mm ² /s	ISO 3104	46
Viscosity at 100°C	mm ² /s	ISO 3104	9.35
Viscosity index	-	ISO 2909	185
Air release at 50°C	Min	ISO 9120	4
Foaming seq1	mL/mL	ISO 6247	<50/0
Flash point	°C	ISO 2592	310
Pour point	°C	ISO 3016	-42
Fire point	°C	ISO 2592	358
Autoignition temperature	°C	ASTM 2155	>420
Biodegradability	%	OECD 301B	Ultimately biodegradable

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