HYDRANSAFE HFDU 46

Lubrication

Biodegradable fire resistant hydraulic fluid.

APPLICATIONS

Hydraulic oil

- **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…
- The use of **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.
- Thanks to its biodegradability, **HYDRANSAFE HFDU 46** is especially recommended when there is a possibility of water contamination: offshore, mines.

SPECIFICATIONS

International specifications

- ISO 6743/4 HFDU
- ISO 12922

Approval

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

ADVANTAGES

- Considerable fire resistance properties.
- High flash point and high spontaneous ignition 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.
- Low pour-point providing good performances at low temperature.
- Biodegradable.
- Limit temperature of use 120°C.

TYPICAL CHARACTERISTICS	METHODS	UNITS	HYDRANSAFE HFDU 46
Density at 15°C	ISO 3675	kg/m^3	920
Kinematic viscosity at - 20°C	ISO 3104	mm²/s	1580
Kinematic viscosity at 40°C	ISO 3104	mm²/s	47.5
Kinematic viscosity at 100°C	ISO 3104	mm²/s	9.35
Viscosity index	ISO 2909	-	185
Air release at 50°C	ISO 9120	min	4
Foaming seq.1	ISO 6247	ml/ml	< 50/0
Pour-point	ISO 3016	° C	- 42
Flash point V.O.	ISO 2592	° C	310
Fire point	ISO 2592	° C	358
Auto ignition temperature	ASTM 2155	° C	> 420
Biodegradability	OECD 301B	-	Ultimately biodegradable

Above characteristics are mean values given as an information.