

## linelube Fire Retardant Hydraulic Oil ISO 46

### Features & Benefits

- Biodegradable
- Considerable fire resistance properties
- High flash point and high spontaneous ignition temperature
- Low pour-point providing good performances at low temperature
- Limit temperature of use 120°C
- Very good anticorrosion properties
- Protection against wear and therefore a longer service life of the hydraulic components
- Very high natural viscosity index guaranteeing a viscosity constantly adapted to the temperature range in which the fluid must be used

### Applications

linelube Fire Retardant Hydraulic Oil ISO 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 linelube Fire Retardant Hydraulic Oil ISO 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, linelube Fire Retardant Hydraulic Oil ISO 46 is especially recommended when there is a possibility of water contamination: offshore, mines.

### Typical Test Data

	Method	Units	ISO46
Density @ 15°C	ISO3675	Kg/m <sup>3</sup>	920
Kinematic Viscosity @ -20°C	ISO3104	mm <sup>2</sup> /s	1580
Kinematic Viscosity @ 40°C	ISO3104	mm <sup>2</sup> /s	47.5
Kinematic Viscosity @ 100°C	ISO3104	mm <sup>2</sup> /s	9.35
Viscosity Index	ISO2909	-	185
Air Release @ 40°C	ISO9120	min.	4
Foaming seq.1	ISO6247	ml / ml	< 50/0
Pour Point	ISO3016	°C	-42
Flash Point V.O.	ISO2592	°C	310
Fire Point	ISO2592	°C	358
Auto Ignition Temperature	ASTM 2155	°C	> 420
Biodegradability	OECD 301B	°C	Ultimately Biodegradable

## Specifications

- ISO 6743/4 HFDU
- ISO 12922
- FACTORY MUTUAL in accordance with FM Approval Standard 6930  
- 'Flammability classification of Industrial Fluids'.

## Health & Safety

For health and safety information please refer to the relevant health & safety data sheet on our website. The contents of this data sheet is given in good faith but without warranty.