

HYDROTHERM 46 M

Fire resistant, Group HFC hydraulic oil

Description

Fire resistant, group HFC hydraulic fluid according to DIN 51502, aqueous polymer solution containing up to 50 % water.

HYDROTHERM 46 M fulfils the requirements of the 7th Luxembourg Report, is biodegradable and free of nitrite and monoethylene glycol.

Application

Fire resistant HFC hydraulic fluid according to VDMA 24 317 for use in mobile and stationary hydraulic systems where there is a risk of fire, in the steel industry in rolling mills, in die-casting bays and in mining applications.

To ensure fire resistance, the product should not be used at temperatures above +60°C.

For more information about changing over to and using HYDROTHERM 46 M, refer to FTI* 130.

Specifications

HYDROTHERM 46 M fulfils the requirements of the 7th Luxembourg Report and is approved for use in the German lean coal mining industry.

HYDROTHERM 46 M fulfils and surpasses the requirements defined in DIN EN ISO 12922 (2013-04) - Fire resistant fluids type HFC 46.

Advantages/Benefits

- Approved according to the 7th Luxembourg Report
- Surpasses DIN EN ISO 12922
- Good wear protection
- High viscosity index
- Low pour point
- Optimised corrosion protection
- Good heat conductivity
- High resistance to bacteria, fungi and yeasts
- Easily filtered
- Free of nitrite and MEG (monoethylene glycol)
- Biologically degradable
- Also available dyed red for identification purposes as HYDROTHERM 46 M RED

* FTI = FUCHS TECHNICAL INFORMATION

CHARACTERISTICS: HYDROTHERM 46 M

Characteristics	Unit		Test Method	
ISO VG		46	DIN 51519	
Kinematic viscosity	at 40°C	mm ² /s	46	DIN 51550
	at 100°C	mm ² /s	9.5	and DIN 51562-1
Viscosity index	-	195	DIN ISO 2909	
Density at 15°C	kg/m ³	1084	DIN 51757	
Colour index	ASTM	0.5	DIN ISO 2049	
Pour point	°C	-42	DIN ISO 3016	
pH value		9.9	DIN 51369	
Mechanical vane pump test			DIN 51389-3	
Loss-in-weight: ring	mg	62		
Loss-in-weight: vanes	mg	7		