

product data sheet

VARSAFE HFDU BIO 46

High performance fire resistant ester based hydraulic fluid.

VARSAFE HFDU hydraulic oil is a premium quality anhydrous fire resistant fluid based on Polyol Esters being classified as HFDU according to ISO 6743-4

VARSAFE HFDU hydraulic Fluid does not break down to form sludge and does not hydrolyse in the presence of water.

VARSAFE HFDU hydraulic oil is suitable for use in power generation industry, mining industry, metal working and many general industrial applications.

Features and Benefits

Bio-degradable

Compatible with hydrocarbon based hydraulic fluids

Compatible with :-

Butyl rubber, fluorocarbon rubber, silicone rubber, natural rubber and EPDM

Typical Data

			HFDU BIO 46
Parameter	Unit	Method	
Kinematic Viscosity			
KV40	mm²/Sec	ASTM-D445	46.00
Appearance @ 20-25°C		Visual	Clear homogeneous liquid
Water content	ppm	ASTM E203-16	1000 max
Density @ 15.5°C	g/cm³	ASTM-D4052	0.920
Flashpoint	°C	ASTM-D92	310
Auto ignition point	°C	ASTM E659-15	358
Acid Value	mgKOH/g	ASTM D974-22	0.10 max

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Varol Metalworking		Varol Machine Lubricants	
Varcut	Neat cutting oils, high performance, extensive range of viscosities	Varlube S Viscosity 32 - 320	Slideway
Varform	Comprehensive range of neat forming oils, including water extendable versions and vanishing oils	Varmulti Viscosity 32 - 680	Multilube - Slideway, Gear, Hydraulic
Varclean	Aqueous based wash fluids, surface cleaners and solvent degreasers	Vargear Viscosity 68 - 460	Industrial Gear
Varcool & Vargrind	Comprehensive range of high performance water soluble fluids. Low, medium, high oil content and synthetics	Varpress Viscosity 5 - 150	Hydraulic oil range covering zinc containing, zinc free and high VI