

HYDRATEC ES 46 HFDU

Product Code: FIRE001 | **Revision:** 20240819



Synthetic ester HFDU type fire resistant hydraulic fluid.

Available Pack Sizes



Applications

A fire resistant hydraulic fluid with self-extinguishing properties, formulated from synthetic esters and carefully selected additives. It is designed to reduce the risk of explosion when in contact with hot metal surfaces and/or open flames. This fire resistant hydraulic fluid is mineral oil free, so it has a higher flash and combustion point than traditional mineral oil based hydraulic oils. A high viscosity index provides reliable lubrication performance over a wide range of operating temperatures.

Recommended by Aztec Oils as suitable for the following applications

ISO 15380 HEES
ISO 12922 HFDU
OECD 301F >70%

Operating temperatures should not exceed 70°C - 90°C in the components of the hydraulic system.

Benefits

- Ashless anti-wear additive technology.
- Excellent corrosion resistance, thermal & oxidation stability.
- Low foaming & rapid water separation.
- Naturally high viscosity index.
- Readily biodegradable - enhanced environmental benefits.
- Very good seal compatibility – nitrile rubber, fluoroelastomers (e.g. Viton®), polyurethane, PTFE (e.g. Teflon®).

Typical Test Data

Appearance		Straw/light amber liquid
Density @ 15°C (kg/m ³)	ASTM D4052	0.92
Flash Point (°C)	ASTM D92	>290
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	46
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	9
Pour Point (°C)	ASTM D97	<-30
Viscosity Index	ASTM D2207	190

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.



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