

An organic-ester type, fire-resistant fluid for hydraulic transmission systems operated in locations where fire hazards are present.

PERFORMANCES

Specifications :

A fire-resistant hydraulic fluid (standard NFE 48-602 and ISO 6743/4 - Type HFDU).

ADVANTAGES

- Resistant to fire
- Lubricating properties
- Offers shear stability
- Resistant to corrosion
- Biodegradable

A fire-resistant hydraulic fluid composed of organic esters.

A specific package of additives gives SECUR FLUID EO 46 excellent anti-corrosion and anti-foaming properties.

Compatibility:

- Compatible and miscible with mineral oils
- Incompatible and not miscible with aqueous fluids (water/glycol).

USES

SECURFLUID EO 46 is a blend of organic esters and additives selected to optimise its performance. It does not contain water, phosphate esters or chlorinated hydrocarbons. Unlike mineral oils, it offers very good resistance to fire.

As an alternative to mineral oils, SECURFLUID EO 46 can be used in ecologically-sensitive zones since it does not absorb water and is biodegradable (>90% determined as per CEC test method L33T82).

SECURFLUID EO 46 can be used in the condition in which it is delivered and does not require pre-filtration since the fluid is filtered during manufacture. Its high viscosity index and low pour point make it ideally suited for use over a wide range of temperatures. It behaves very well during low-temperature starts and offers high viscosity at high temperature. For maximum service life, we recommend the following operating temperatures:

- Limit temperature of use 120°C

COMPATIBILITY

Seals, hoses and packing:

SECURFLUID EO 46 is compatible with commonly-used seal materials; however, due to the high number of materials available, and the variety of their applications, we recommend that you contact the manufacturers to obtain their specific advice.

Metals:

SECURFLUID EO 46 is compatible with steel and its alloys and with most non-ferrous metal alloys. It is not compatible with lead and with alloys with a high lead content. It has limited compatibility with cadmium and zinc, and with alloys containing high levels of these metals. Materials which have high contents of these metals must therefore be replaced by suitable materials.

Other fluids:

SECURFLUID EO 46 is generally compatible with other HFDU fluids and mineral oils. However, we recommend conducting a programme of tests before an oil conversion. It is not miscible with water and aqueous fluids.

Paints:

Paint is not generally required inside hydraulic equipment since SECURFLUID EO 46 provides sufficient protection against corrosion. If it is essential to have paint protection, consult the manufacturer of the paint.

SECURFLUID EO 46 is compatible with multi-component epoxy systems.

It is not compatible with zinc-based paints.

MAINTAINING THE FLUID

To prolong the fluid's service life, the product should be kept free from water and suitably filtered. High temperatures must be avoided. IGOL recommends arranging a regular fluid analysis programme with our laboratory.

Characteristics	Standards	Units	Values
Colour	Visual		Amber fluid
Density at 15 °C	NF T 60-101	kg/m ³	920
Kinematic viscosity at 40 °C	NF T 60-100	mm ² /s	48
Kinematic viscosity at 100 °C	NF T 60-100	mm ² /s	9,9
Viscosity index	NF T 60-136	-	205
Flash point VO	NF T 60-118	°C	314
Fire point	NFT 60-118	°C	>350
Pour point	NFT 60-105	°C	-12

Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.

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