

An organic ester fire-resistant fluid for hydraulic transmissions operated in locations where fire hazards are present.

PERFORMANCES

Specifications:

A fire-resistant hydraulic fluid (standard NFE 48-602 – Type HFDU).

ADVANTAGES

- Fire resistance
- Lubricating properties
- Shear stability
- Corrosion resistance

A fire-resistant hydraulic fluid composed of organic esters. Specific additives gives SECUR FLUID EO 68 very good anti-corrosion and anti-foaming properties.

Compatibility:

- Compatible and miscible with mineral oils.
- Incompatible and non-miscible with aqueous fluids (water/glycol).

USES

SECURFLUID EO 68 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 features very good fire resistance.

As an alternative to mineral oils, SECURFLUID EO 68 can be used in ecologically-sensitive zones since it does not absorb water and is biodegradable (>90% as per CEC L33T82).

SECURFLUID EO 68 can be used as delivered, and does not require pre-filtration since the fluid is filtered during production. 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:

- In the main tank: maximum 55°C
- In the system: maximum 70°C

COMPATIBILITY

Seals, hoses and packing:

SECURFLUID EO 68 is compatible with commonly-used seal materials, however, due to the high number of materials available, and the variety of their applications, we would refer you to the manufacturers' specific recommendations.

Metals:

SECURFLUID EO 68 is compatible with steel and its alloys, and with most non-ferrous metal alloys. It is not compatible with lead or 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 levels of these metals must therefore be replaced by suitable materials.

Other fluids:

SECURFLUID EO 68 is generally compatible with other HFDU fluids and mineral oils. However, we recommend conducting a test programme whenever substituting. It is non-miscible with water and aqueous fluids.

Paints:

Paint is not generally required inside hydraulic equipment since SECURFLUID EO 68 provides sufficient anti-corrosion protection. If it is essential to have paint protection, consult the paint manufacturer.

SECURFLUID EO 68 is compatible with multi-component epoxy systems. It is not compatible with zinc-based paints.

FLUID MAINTENANCE

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	Methods	Units	Values
Colour	Visual		Amber fluid
Density at 15°C	NF T 60-101	kg/m ³	930
Kinematic viscosity at 40°C	NF T 60-100	mm ² /s	68
Kinematic viscosity at 100°C	NF T 60-100	mm ² /s	13
Viscosity index	NF T 60-136	-	205
COC flash point	NF T 60-118	°C	294
Fire point	NFT 60-118	°C	354
Pour point	NFT 60-105	°C	-12

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

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