

Last Updated: 30.04.2021
Product Codes: HF0046; HF0068

SARMAX HFDU HYDRAULIC OILS 46 & 68 are hydraulic fluids based on synthetic esters with extremely high flash point and auto ignition temperature (AIT). They are biodegradable and offer excellent corrosion protection for ferrous and non-ferrous metals.

APPLICATION

Sarmax HFDU 46 & 68 are developed to replace mineral oil based hydraulic fluids in areas with elevated risk of fire. They can be used in systems where a mineral oil based hydraulic fluids (HM / HLP) has been previously been used without major changes, after first making sure that the paint and elastomer compatibility is checked. Suitable for use where a synthetic ester-based, HEES specification fluid is required.

BENEFITS

Sarmax HFDU 46 & 68 offer enhanced anti wear properties (AW / EP) which are superior in many cases to those of mineral based hydraulic fluids (HM / HLP).

- FM approved formulation
- ISO 15380:2016 - international standard for environmentally acceptable hydraulic fluids
- ISO 6743-4:2015 - international standard for rapidly-biodegradable hydraulic fluids (HEES class)
- VDMA 24568 - international standard for environmentally-friendly hydraulic fluids based on synthetic esters (HEES class)
- Extremely high flash point and auto ignition temperature
- Superior anti wear properties (AW/ EP)
- Excellent corrosion protection

TYPICAL PROPERTIES

	Test Method	HFDU 46	HFDU 68
Appearance		Yellow – Brownish	Yellow-Brownish
Density @ 20°C	DIN51757	0.916 g/cm ³	0.928 g/cm ³
Viscosity @ 20°C	DIN51562	117 mm ² /s	158 mm ² /s
Viscosity @ 40°C		49 mm ² /s	65 mm ² /s
Viscosity @ 50°C		33 mm ² /s	45 mm ² /s
Viscosity Index	ISO2909	185	185
Flash Point (°C)	EN ISO 2592	280	290
Fire Point (°C)	EN ISO 2592	335	375
Pour Point (°C)	ISO 3016	- 25	- 32
Auto Ignition Temp (°C)		430	490

HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.