SARMAX HFDU HYDRAULIC 46

Last Updated: 09.01.2025
Product Code: HF0046

SARMAX HFDU HYDRAULIC 46 is a hydraulic fluid based on synthetic esters with extremely high flash point and auto ignition temperature (AIT), it is biodegradable and offers excellent corrosion protection for ferrous and non-ferrous metals.

APPLICATION

Sarmax HFDU 46 was developed to replace mineral oil based hydraulic fluids in areas with elevated risk of fire. It 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 offers enhanced anti wear properties (AW / EP) which are superior in many cases to those of

mineral based hydraulic fluids (HM / HLP).

- Extremely high flash point and auto ignition temperature.
- Superior anti wear properties (AW/ EP).
- Excellent corrosion protection.

PERFORMANCE PROFILE

- 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)

TYPICAL PROPERTIES

Appearance	Yellow – Brownish
Density @ 20°C g/cm3	0.916
Viscosity @ 20°C mm2/s	117
Viscosity @ 40°C mm2/s	49
Viscosity @ 50°C mm2/s	33
Viscosity Index	185
Flash Point (°C)	280
Fire Point (°C)	335
Pour Point (°C)	-25
Auto Ignition Temp (°C)	430

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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