

HIDRAULIK SYN FR 46

Water-Glycol Fire Resistance Hydraulic Fluid

HIDRAULIK SYN FR is the latest generation water-glycol fire resistance hydraulic fluid that provide virtual total safety due to its fire-resistance in all hydraulic equipment operating in an environment of open flames, molten metal, hot metal surfaces etc., where a fire hazard exists in case of a hydraulic leak.

HIDRAULIK SYN FR shows good service life for hydraulic components due to its excellent lubricity and anti-wear properties. It is also a long fluid-life which had higher aging stability compared with mineral oil. If well maintained, HIDRAULIK SYN FR will give a practically unlimited service life. Unlike mineral oil, it will not form sludge or residue in the hydraulic system.

HIDRAULIK SYN FR is an environmentally fluids because it is biodegradable to a high extent, easy to handle and non-toxic. The German WGK class is 0, which means it is not dangerous to waters. HIDRAULIK SYN FR Fluid contains neither PCB nor other chlorinated or brominated components.

HIDRAULIK SYN FR is a true solution that is totally stable. It consists of well-established combination of glycols of different chain-lengths, water and special additives to achieve excellent anti-wear properties, corrosion protection, foam control with good air release properties and a complete demulsibility with mineral oil.

Applications

Highly recommended for the use in all hydraulic equipment operating in an environment of open flames, molten metal, hot metal surfaces, etc.

Customer Benefits

- **Good service life due to its excellent lubricity and anti-wear properties. If well maintained, HIDRAULIK SYN FR will give a practically unlimited service life.**
- **An environmental-friendly fluids because it is biodegradable to a high extent, easy to handle and non-toxic. It contains neither PCB nor other chlorinated or brominated components**
- **Excellent anti-wear properties, corrosion protection, foam control with good air release properties and a complete demulsibility with mineral oil.**

Product Typicals

Characteristics	Typical
Appearance	Clear Red
Density @ 20°C	1.05 – 1.08
Viscosity, cSt	
@100°C	110
@ 40°C	45
@-40°C	25
Viscosity Index	>150
pH Value @ 100% / 40°C	Ca. 9.6 – 10.0
Pour Point, °C	-50(58°F)
Flash Point, °C	--
Ash Content, %	0.05
Specific Heat, KJ/kg K	3.15
Thermal Conductivity, W/m K	0.43

Packaging

- 18 Liters pail, 209 Liters Drum.

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HO technical engineers.