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REMORA HFC 46

Description

REMORA HFC 46 is a nitrite – free, environmentally harmless, rapidly biodegradable and generally non-water polluting (WPG 0) fire resistant hydraulic fluid. The water in REMORA HFC 46 offers excellent fire protection. When a fire starts, the water contained in this fluid evaporates to form a smothering, protective vapor layer over the flames which stop the fire spreading. The dreaded “flame thrower” effect is also thus eliminated. REMORA HFC 46 passes all the fire tests laid down by the 7th Luxembourg Report. REMORA HFC 46 can be used in all types of hydraulic pumps (vane, gear axial piston and radial piston) as well as hydraulic valves and servo controls from all leading manufacturers.

Properties Advantages

- **Good EP and Wear Protection Properties:** In spite of the large proportion of water, the selection of highly effective additives provides reliable wear protection at high working pressures.
- **High Viscosity Index:** No tank heating is required because of the optimum maximum start – up viscosity.
- **Low Pour point:** The pour point provides favorable low temperature behavior.
- **Optimum Corrosion Protection:** The product’s “built-in” corrosion protection works in both the wetted and the vapor phases. REMORA HFC 46 passes the corrosion and protection tests laid down in the 7th Luxembourg Report.
- **Good Thermal Conductivity:** Compared to mineral oil, REMORA HFC 46 displays significantly higher thermal conductivity.
- **Excellent filterability**
- **High resistance to Bacteria, Yeasts and Fungi:** The good resistance to bacteria is mainly due to the presence of glycols which dispose an inherent bactericide action.

Health & Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet.

Packaging

210 kg drum, 1000 kg IBC and bulk.

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Technical Properties

Property	Unit	Remora HFC 46	Test Methods
Kinematic viscosity at 0°C	mm ² /s	290	DIN 550
Kinematic viscosity at 400°C	mm ² /s	45/47	DIN 550
Viscosity index	-	200	DIN-SIO 2909
Pour point	°C	-42	DIN-ISO 3016
Elastomer compatibility NBR 1 after 504 hours At 600C, vol. Change Change in IRHD hardness	%	+ 3,6 3	-
Ageing resistance at 950C after 200 hours ageing Increase in insolubles	%	9,6 <0,2	7th Luxembourg Report
FZG rotary vane pump test, ring vane	mg mg	<120 <30	Din 51 389-3
Four ball apparatus	N	246	DIN 51 350-2
Four ball welding load	N	1260	DIN 51 350-2
Scar diameter after 1 hour at 400 N 1 hour at 15 N	mm mm	0,66 0,60	DIN 51 350-3 DIN 51 350-3

* The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modification is reserved.