

TECHNICAL DATA SHEET

AIMOL Hydrotech HFC

Fire resistant hydraulic fluid

DESCRIPTION

Water based solution of special glycols and anti wear, antioxidant and anticorrosive special additives package. Fluid according to ISO HFC class, suitable for wide range of hydraulic applications

APPLICATIONS

Recommended for all systems suitable to run on water-glycol hydraulic fluids, i.e:
Hydraulic operated furnace doors
Die casting machines
Welding machines
Machinery for handling meld metals, cold rolling and hot glass machinery

BENEFITS

- Outstanding fire resistance thanks to its high water content (>40%)
- Excellent mechanical properties, protects the hydraulic pump against wear
- High anticorrosive and antioxidant characteristic, thanks to the high alkaline reserve
- Prevents the formation of oxidation
- Very shear stable
- Very high viscosity index: minimum viscosity – temperature changes
- Compatible with normally used joints
- Low foaming tendency

USE CONDITIONS

- Maximum working temperature of 55 ºC
- Do not mix with different products. Prevent the contamination with foreign material because it can reduce the economical and technical lifetime
- Follow the change periods recommended by the OEM

TYPICAL FIGURES

Parameter	Test method	Hydrotech HFC 46	Hydrotech HFC 68
Appearance		Red transparent fluid	
Density @ 20 °C, gr/ml		1,08	1,07
Class	ISO 6743/4	HFC	HFC
Viscosity, cSt • @ 20 °C • @ 40 °C • @ 50 °C		 104 47 35	 68
Viscosity Index		> 180	250
Pour point, °C		-51	-30
Flash point, °C		None	None
Vickers V-104 C vane pump test, 105 bar, 1450 rpm, 250 hrs		Total weight loss banes: 82 gram Total weight loss ring: 13 gram	
4-ball wear test, 40 kg, 1200 g/1' 75°C 1h	ASTM 2266	0,75	
pH		8,8	10
Water content, % max		40	
Corrosion test	ASTM D665	Passes	
Foaming test @ 24 °C, max, cc	ASTM D892	50/0	
Reserve alkalinity, 0,1 CLH		23	

ANGLO INTERNATIONAL MINING B.V
Haringvliet 543, 3011 ZP Rotterdam
The Netherlands

T +31 (0)10 28 27 927
E-mail: info@aimol.nl

www.aimol.nl

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TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Hydrotech HFC has no adverse health effects provided it is used as directed.

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.

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The Netherlands

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