



## HYDRAULIC OILS

# ADDINOL HYDRAULIC FLUID HFC 32-46

### PRODUCT DESCRIPTION

ADDINOL Hydraulic Fluid HFC 32-46 is a flame-resistant hydraulic fluid of type HFC (acc. to ISO 6743-4), based on a polyglycol-water-solution, which contains additives for improving the anti-wear and anti-corrosive properties and further special inhibitors and stabilizers.

ADDINOL Hydraulic Fluid HFC 32-46 ensures an optimum fire protection.

Recommended operating temperature < 60°C (for avoiding a too strong evaporation of the water and for minimizing a possible cavitation)

### APPLICATION

- Excellent suitability as hydraulic and control fluid in industrial systems with special requirements regarding fire protection, e.g. in steel and rolling mills, foundries, glass factories, in mining and power stations

### DELIVERY

Delivery preferable in drums.

### SPECIFICATIONS

Meets the requirements according to:

- DIN EN ISO 12922 (2001)
- 7. Luxembourg Report

### PLEASE NOTE

A regular control of the pH-value and the viscosity is recommended every 6–8 months. Evaporation losses are to be replaced either by distilled or by deionized water.

The application of zinc and lead as well as aluminium materials should be avoided.

If necessary, please contact the supplier of the sealing and hose material to ensure the needed elasticity (critical for e.g. Teflon) or to avoid non-resistant materials (e.g. polyurethane).

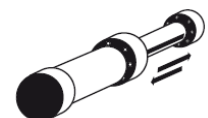
The instructions and remarks given by the installations' and components' manufacturer are to be observed.

### CHARACTERISTICS

- Based on polyglycol-water
- Toxicologically harmless
- Special material structure and ageing stability
- Good compatibility with conventional sealing materials

### ADVANTAGES AND BENEFITS

- Flame-resistant
- No health hazards
- Very long application times
- Improved protection against leakages





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## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Hydraulic Fluid HFC 32-46	Method acc. to
Density	at 20°C	kg / m <sup>3</sup>	1078	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	37	ASTM D 7042
	at 50°C	mm <sup>2</sup> /s	27	
Viscosity index			ca. 200	DIN ISO 2909
Flash point	COC	°C	not measurable	DIN EN ISO 2592
Pour point		°C	max. -45	ASTM 7346
Air separation ability	at 50°C	minute	< 20	ISO 9120
Corrosivity on copper	28d / 35°C	mg / Prüfkörper	< - 1	DIN EN ISO 4404-1
VKA test, wear scar (d 392)		mm	0.56	ASTM D 4172
pH value			9.4	ASTM D 664-a
Water content		wt-%	42	

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The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.