



Gulf HFC fluid 46

Fire Resistant Hydraulic Fluid

Product Description

Gulf HFC Fluid 46 is a specially formulated high performance premium quality fire resistant fluid which is used in hydraulic systems where fire resistant fluids are required. Due to high water content, Gulf HFC Fluid 46 has ignition dampening property which resists fire hazards that might occur in case of accidental fluid contact with elevated-temperature sources in hydraulic systems operating under high pressure. Moreover, lubricity and corrosion protection as well as overall enhanced performance of Gulf HFC Fluid 46 is water-glycol (polyglycol) based solution formulated with the addition of best quality hi-tech additives to satisfy the requirements claimed by innovative high performance hydraulic systems.

In addition, Gulf HFC Fluid 46 has excellent heat transfer property, low pour point, and antifoam performance that along with antiwear component provide extended pump life in systems operating under high pressure or overloaded conditions.

Gulf HFC Fluid 46 defined by ISO 6743/4 fulfills the requirements according to 7th Luxembourg Report.

Features & Benefits

- Premium fire resistance properties
- Excellent corrosion protection
- Compatible with common and standard seal materials
- Excellent heat transfer property
- Contains corrosion protection and antiwear additives
- Extended pump life
- Prolonged life of hydraulic systems
- Extend maintenance intervals

Applications

- Steel Mills
- Die-Casting machines
- Transmission Plants
- Mines
- Forging presses
- Drive systems in hazardous environments
- Robot welding machines



Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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Specifications & Typical Properties

ISO viscosity grade 46		
Meets the following Specifications		
Danieli Type 35 0.151165.D		
Typical Properties		
Test parameters	ASTM Method	Typical Values
Appearance		Bright & Clear Liquid
Color		Red
Density @ 20 °C, Kg/m ³	D1298	1.05
Viscosity @ 40 °C, cSt	D445	46
Pour Point, °C	D97	-42
pH	E70	9.5-10
Water Content, wt%	D1744	45
Reserve Alkalinity, ml/ml	D1121	>13
Foaming Tendency/Stability, ml Seq III	D892	20/0
*Copper Strip Corrosion Method A, 3h@100 °C	D130	1a
Corrosion-Prevention	D665, A	pass
4-Ball Wear, Scar dia., mm	D2783	0.48

*Copper Strip corrosion test was run for 3 hours at 100°C instead of 50°C to ensure better corrosion inhibition property of the product than ASTM D 130 and Danieli Type 35 0.151165.D standards.