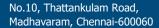


PREMIUM FIRE RESISTANT HYDRAULIC FLUIDS

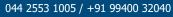


ONE STOP SOLUTION FOR ALL YOUR LUBRICANT NEEDS











Product data sheet

SIGMA FIRO SERIES (HFC)

Fire Resistant Hydraulic Fluids

Description

Sigma Firo series is a HFC water-glycol type hydraulic fluid. They contain around 40-45% of water and hence excellent resistance to flammability. It is blended with a formulation specially adapted to meet customer requirements in terms of lubrication, fire-resistance and biodegradability. It possesses good filterability adapted to the most recent technologies and excellent protection of elastomers, valves, pumps etc. Sigma Firo fluids are biodegradable and classed as non-hazardous for the environment. Excellent shear stability assures viscosity and fire-resistant properties are maintained during use.

Performance Standards:

Sigma Firo series meets the requirements of the **ISO 12922** standard.

Application:

Sigma Firo series fluids can be used in all industries where there is a major risk of fire and for all high-pressure installations designed to operate with this type of aqueous product.

Typical Characteristics:

Parameter	Unit	Test Method			
ISO grade			32	46	68
Appearance	-	-	Red	Red	Red
			Clear	Clear	Clear
			liquid	liquid	liquid
Specific Gravity	g/mL	ASTM D 1298	1.071	1.071	1.071
Water Content	%wt	ASTM E 203	45	45	45
Pour Point (°C)	°C	ASTM D 97	-48	-48	-40
Viscosity @ 40°C	cSt	-	32	46	68
Viscosity Index	-	-	185	190	190
рН	-	ASTM D 1278	9.5	9.5	9.5
Refractive Index (nD20)	-	DIN 51423	1.4	1.4	1.4

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