

## Roloil Estin 46 S

Fire resistant hydraulic fluid

### Description

Estin 46\_S is fully synthetic fluid formulated with organic esters and specifically selected additives. This fluid is characterized by high flash and combustion points and has specific properties to avoid a violent and explosive ignition when they come into contact with flames or hot metal surfaces. The resistance towards combustion is so extremely high allowing Estin 46\_S to meet the severe tests FTM 6052 and FTM 352 from the 7th Report of Luxembourg.

### Applications

Estin 46\_S is suitable for hydraulic systems specifically used in steel industry, continuous casting machines, finishing rolling mills etc. and everywhere in presence of flames.

### Benefits

- Effortless and safe application for operators
- Extremely high flash point
- Readily biodegradable
- Improves the durability of the equipment thanks to its characteristics
- Excellently high viscosity index
- Exceptional thermal durability
- Outstandingly recommended in combination with versatile materials

### Specifications & Approvals

Danieli	Type 36 0.151166.E	ISO	6743-4 HFDU
FM	Approval Standard 6930		

### Properties

	Method	Unit	Typical
Appearance	Visual	-	Clear
Colour	D 1500	-	L 3.0
Density, 20 °C	D 4052	g/ml	0,919
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	46.5
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	9.7
Viscosity Index	D 2270	-	185
Pour Point	D 97	°C	-30
Flash Point, COC	D 92	°C	300
Biodegradability, 28 days	OECD 301 B	%	Readily biodegradable

The figures above are not a specification. They are typical figures obtained within production tolerances.

### Remarks

Metals and elastomers compatibility: in particular these fluids are compatible with Viton, Teflon, Buna N, Neoprene, Polyurethane.