



## APPLICATIONS

**Eni Arnica S 46** is a high performance hydraulic oil, specifically designed for hydraulic systems exposed to fire hazard owing to the presence of very high temperatures, such as in rolling mills or other ignition sources are present such as electric arc and welders. It's based on organic biodegradable esters with very high viscosity index and high flash point. It has outstanding antiwear, anticorrosive and antirust properties. Thanks to its biodegradability characteristics, **Eni Arnica S 46** is recommended for hydraulic systems of industrial vehicles operating in environmentally sensitive areas.

## CUSTOMER ADVANTAGES

- Fire resistant
- Biodegradable over 70% according to the OECD 301B method
- Suitable for applications operating in a wide temperature range
- Maximizes water removal system efficiency thanks to excellent demulsibility
- Protects components thanks to outstanding antiwear properties (FZG Failure Load Stage:12°)

## SPECIFICATIONS - APPROVALS

- ISO 12922 HFDU
- ISO 15380 HEES
- Inline Hydraulik GmbH
- Rexroth RD 90221-01/03
- Hoerbiger Micro fluid
- VII Report of Luxemburg
- Danieli Standard n. 0.000.001 - Rev.15





## CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	ASTM D 4176	-	clear
Density at 15°C	ASTM D 1298	kg/m <sup>3</sup>	920
Viscosity at 40°C	ASTM D 445	mm <sup>2</sup> /s	46
Viscosity Index	ASTM D 2270	-	186
N.N.	ASTM D 974	mg KOH/g	1
Flash point COC	ASTM D 92	°C	305
Pour point	ASTM D 97	°C	-33
Demulsibility	ASTM D 1401	min/ml	30 (40/37/3)
Foaming (sequence I)	ASTM D 892	ml/ml	50/0
Rust test/B	ASTM D 665	-	supera

## WARNINGS

- In order to guarantee a long life of product , it is a good practice to keep the average temperature of fluid present in reservoir under 70°C, with a pick of 80°C for very short period.

