Eni Arnica 46

APPLICATIONS

Eni Arnica 46 is a high performance antiwear hydraulic oil, specifically designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems.

It's formulated with selected base oils treated with “low zinc” technology ensuring excellent thermal, oxidative and hydrolytic stability.

Eni Arnica 46 is reccomended for outdoor equipment which are likely to operate in wide temperature range, such as systems where cold start-up and high operating temperatures are typicals (marine applications). It's suitable also for indoor manufacturing equipment that incorporates control systems requiring minimal viscosity change with temperature.

CUSTOMER ADVANTAGES

- Suitable for applications operating in a wide temperature range thanks to high a viscosity index and an excellent viscosity stability
- Suitable for hydraulic systems with very thin filters (3 microns)
- Prolongs oil charge life extending re-lubrication intervals thanks to very high termo-ossidative stability
- Protects hydraulic pumps and components thanks to oustanding antiwear property
- Helps prevent aeration and cavitation damage in low residence time systems thanks to rapid air release
- Compatible with a wide variety of component metallurgy
- Maximizes water removal system efficiency thanks to excellent demulsibility

SPECIFICATIONS - APPROVALS

- DIN 51524-3 HVLP
- Danieli Standard n. 0.000.001 - Rev.15
- Sauer Danfoss 520L0463
- CETOP RP 91 H HV
- AISE 127
- Linde

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- Commercial Hydraulics
- BS 4231 HSE
- AFNOR NF E 48603 HV
- Fives Cincinnati P-70
- Eaton Vickers I-286-S level
- Eaton Vickers M-2950-S
- Rexroth RD 90220-01/12.10
- Denison HF-0
- ISO 11158 HV
- ZF TE-ML 04R

CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear
Density at 15°C	ASTM D 4052	kg/m³	877
Viscosity at 40°C	ASTM D 445	mm²/s	46.0
Viscosity Index	ASTM D 2270	-	150
Flash point (COC)	ASTM D 92	°C	224
Pour point	ASTM D 97	°C	-39
Demulsibility at 54°C	ASTM D 1401	mins	15
Foaming (sequence I)	ASTM D 892	cc/cc	70/0