



APPLICATIONS

Eni OSO 46 is a high performance antiwear hydraulic oil, specifically designed to meet the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers.

It's formulated with selected base oils treated with "low zinc" technology ensuring excellent antiwear, antirust and antioxidant properties. It has an outstanding filterability in service.

Eni OSO 46 is also suitable for other duties in which lubricants of high oxidation stability and lubrication performance are required, allowing use of a single product with excellent performance characteristics.

CUSTOMER ADVANTAGES

- Prolongs oil charge life extending re-lubrication intervals thanks to very high thermo-oxidative stability
- Suitable for hydraulic systems with very thin filters (3 microns)
- Maximizes water removal system efficiency thanks to excellent demulsibility
- Protects components reducing downtime thanks to outstanding antiwear property (FZG Failure Load Stage:>12°)
- Helps prevent aeration and cavitation damage in low residence time systems thanks to rapid air release
- Minimizes deposits formation contributing to system cleanliness

SPECIFICATIONS - APPROVALS

- DIN 51524-2 HLP
- ISO 11158 HM
- AFNOR NF E 48603 HM
- BS 4231 HSD
- Fives Cincinnati P-70 level
- Eaton Vickers I-286-S
- Denison HF-0, HF-1, HF-2





- Rexroth RD 90220-01/12.10
- ATOS Table P002-1/E
- Danieli Standard n. 0.000.001 - Rev.15
- Muller Weingarten DT 55 005
- ZF TE-ML 04K

CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear
Density at 15°C	ASTM D 4052	kg/m ³	880
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity Index	ASTM D 2270	-	106
Flash point (COC)	ASTM D 92	°C	238
Pour point	ASTM D 97	°C	-27
Demulsibility at 54°C	ASTM D 1401	mins	20
Foaming (sequence I)	ASTM D 892	cc/cc	10/0



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