



Application

Lazio-Oil HLP 46 is a premium antiwear hydraulic oil, specially engineered to meet the demanding performance standards of a wide range of hydraulic systems and components. Formulated with carefully selected base oils and advanced "low zinc" technology, it provides exceptional antiwear, antirust, and antioxidant protection. Its excellent filterability ensures reliable performance, even in service. Lazio-Oil HLP 46 is also ideal for applications requiring high oxidation stability and superior lubrication, offering a versatile solution that performs consistently across a variety of conditions.

Key benefits include:

- Extended oil life and longer re-lubrication intervals thanks to exceptional thermo-oxidative stability.
- Compatibility with fine filters (as small as 3 microns), ensuring efficient filtration and system performance.
- Enhanced water separation for improved system efficiency, thanks to excellent demulsibility.

Specifications

- 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 • ARBURG • Deckel • Loesche

Characteristics

Properties	Method	Unit	Typical
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 5950	°C	-27
Demulsibility at 54°C	ASTM D 1401	mins	20
Foaming (sequence I)	ASTM D 892	cc/cc	10/1
Air release	DIN 51381	mins	8
Cleanliness class	ISO 4406	-	<21/19/16