



## Application

Lazio-Oil HLP 32 is a high-performance antiwear hydraulic oil, specifically engineered to meet the stringent requirements of hydraulic systems and components across a wide range of industries. Formulated with premium base oils and enhanced by "low zinc" technology, it offers exceptional antiwear, antirust, and antioxidant protection. Its superior filterability ensures reliable performance even under demanding conditions. Lazio-Oil HLP 32 is also versatile enough for applications requiring high oxidation stability and robust lubrication, providing an all-in-one solution with outstanding performance characteristics.

- Extended re-lubrication intervals due to its excellent thermo-oxidative stability.
- Compatibility with very fine filters (as small as 3 microns), ensuring efficient system operation.
- Enhanced water separation for improved system efficiency, thanks to its excellent demulsibility.
- Superior antiwear properties that protect components and reduce downtime, enhancing equipment lifespan.
- Prevention of aeration and cavitation damage in high-turnover systems, with rapid air release capabilities.

## Specifications

- BS 4231 HSD • Fives Cincinnati P-68 level • Eaton Vickers I-286-S
- Denison HF-0 level • ATOS Table P002-1/E • AFNOR NF E 48603 HM • ISO 11158 HM
- DIN 51524-2 HLP • Rexroth RD 90220-01/12.10 • ZF TE-ML 04K

## Characteristics

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m <sup>3</sup>	875
Viscosity at 40°C	ASTM D 445	mm <sup>2</sup> /s	32
Viscosity Index	ASTM D 2270	-	109
Flash point COC	ASTM D 92	°C	224
Viscosity at -12°C	ASTM D 2983	mPa·s	69000
Pour point	ASTM D 5950	°C	-27
Demulsibility at 54°C	ASTM D 1401	mins	20
Foaming (sequence I)	ASTM D 892	cc/cc	20/0
Air release	DIN 51381	mins	4