



Application

Lazio-oil EP 320 is a high-performance gear oil with extreme pressure (EP) properties, specifically formulated for enclosed industrial gear systems that are lubricated by splash or circulation methods. It is ideal for applications where high loads, elevated temperatures, high speeds, and sliding friction are present. Additionally, Lazio-oil EP 320 can be used to lubricate other heavily-loaded components such as couplings, transmission screws, and low-speed plain bearings.

Key benefits include:

- Superior protection for components under load, provided by a robust anti-wear additive system
- Excellent resistance to high operating temperatures (up to 100°C) due to outstanding antioxidant properties
- Safe for use with gaskets, seals, and metals such as steel, cast iron, copper, and bronze, without causing corrosion
- Exceptional demulsibility, allowing for quick separation from water that may accidentally enter the system

Specifications

- Fives Cincinnati P-59 level • Muller Weingarten DT 55 005 CLP
- Danieli Standard n. 0.000.001 - Rev.15 • ISO 12925-1 CKD
- DIN 51517-3 CLP • ANSI/AGMA 9005-E02 • David Brown S1.53 101 level

Characteristics

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear/visual
Density at 15°C	ASTM D 4052	kg/m ³	903
Viscosity at 40°C	ASTM D 445	mm ² /s	320
Viscosity Index	ASTM D 2270	-	94
Flash point COC	ASTM D 92	°C	246
Pour point	ASTM D 5950	°C	-18
Demulsibility at 82°C	ASTM D 1401	mins	10