



Application

Lazio-oil EP 680 is a high-performance gear oil with extreme pressure (EP) properties, designed for enclosed industrial gears lubricated by splash or circulation systems. It is particularly suited for applications involving high loads, elevated temperatures, high speeds, and sliding friction. Lazio-oil EP 680 is also effective in lubricating other heavily-loaded components such as couplings, transmission screws, and low-speed plain bearings.

Key benefits include:

- Superior protection for lubricated components during operation, thanks to a robust anti-wear additive system
- Excellent resistance to high operating temperatures (up to 100°C), supported by outstanding antioxidant properties
- Non-corrosive to gaskets, seals, and metals like steel, cast iron, copper, and bronze
- Exceptional demulsibility, ensuring quick separation from water that may inadvertently enter the system

Specifications

- AIST No.224 • 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	922
Viscosity at 40°C	ASTM D 445	mm ² /s	680
Viscosity Index	ASTM D 2270	-	93
Flash point COC	ASTM D 92	°C	246
Pour point	ASTM D 5950	°C	-9
Demulsibility at 82°C	ASTM D 1401	mins	25