



Application

Lazio-oil 80W-90 is an advanced Extreme Pressure (E.P.) gear oil designed for hypoid gears operating under demanding conditions, as well as for high-load gears subjected to dynamic stresses. It is especially effective in axle drives with hypoid gears, which experience high loads, sliding contact, and elevated temperatures.

This versatile oil is suitable for use in a variety of applications, including gearboxes in cars and trucks, as well as in agricultural and construction machinery—such as axles, final drives, and power take-offs. It is also ideal for any gear system where the manufacturer specifies API GL-5 performance standards. Additionally, Lazio-oil 80W-90 is appropriate for lubricating gearboxes in outboard motors and sterndrive systems.

Key benefits include:

- Superior E.P. additives that maintain a continuous lubricant film, even under the most extreme conditions involving high dynamic and shock loads, as well as variable sliding speeds between gear teeth.
- Outstanding anti-wear properties** that significantly reduce wear on gears and bearings, improving longevity and performance.

Specifications

- **API GL-5** • MIL L 2105 D • MAN 342 type M1 • MAN 342 type M2 • ZF TE-ML 05A, 12E
- ZF TE-ML 16B, 17B, 19B, 21A • ZF TE-ML 07A, 08

Characteristics

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m ³	905
Viscosity at 100°C	ASTM D 445	mm ² /s	15.5
Viscosity at 40°C	ASTM D 445	mm ² /s	151
Viscosity Index	ASTM D 2270	-	105
Viscosity at -26°C	ASTM D 2983	mPa s	145000
Flash point COC	ASTM D 92	°C	200
Pour point	ASTM D 5950	°C	-27