



Application

Lazio-Oil 80W-140 is a high-performance gear lubricant with advanced Extreme Pressure (E.P.) properties, specifically designed to handle heavy-duty loads, particularly in applications subjected to dynamic stresses. It excels in providing reliable lubrication under demanding conditions, where high loads, excessive sliding in couplings, and elevated temperatures are common. This lubricant is especially suited for hypoid gear differentials, which experience intense dynamic loads, high sliding friction, and extreme operating temperatures conditions that require exceptional lubricant performance. It is recommended for use in gearboxes, differentials, final drives, power take-offs, and any other equipment where an API GL-5 lubricant is specified by the manufacturer.

Key benefits include:

- Superior E.P. additives that ensure a continuous lubricating film even under the most severe conditions, such as heavy dynamic and shock loads, as well as high or variable sliding speeds between gear teeth.
- Exceptional anti-wear properties** and enhanced oiliness, which significantly reduce wear on gears and bearings, extending the life of the equipment and improving overall performance.

Specifications

- **API GL-5** • MIL L 2105 D • Volvo 1273.10 • ZF TE-ML 05A, 12E, 16D, 21A
- ZF TE-ML 07A, 08, 16C quality

Characteristics

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m3	915
Viscosity at 100°C	ASTM D 445	mm2/s	25.5
Viscosity at 40°C	ASTM D 445	mm2/s	359
Viscosity Index	ASTM D 2270	-	99
Viscosity at -12°C	ASTM D 2983	mPa s	69000
Flash point COC	ASTM D 92	°C	205
Pour point	ASTM D 5950	°C	-18