

STERN 80W-90 GL-5 M-Series

STERN 80W-90 M-Series is an extra high-performance commercial gear lubricants formulated from select base oils and an advanced additive system. These lubricants are engineered for performance in heavy-duty commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and have demonstrated good rust protection resulting from water contamination and wet conditions. They are recommended by Stern Company for applications where API GL-5 and MT-1 service is required.

APPLICATIONS

- Heavy-duty manual transmissions, axles, and final drives requiring API GL-5 and MT-1 level performance
- On-highway light and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-off, and refill of enclosed commercial gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended

TYPICAL PROPERTIES

Multipurpose Gear Lubricant	80W-90
<i>Viscosity (cSt) at 40°C</i>	139
<i>Viscosity (cSt) at 100°C</i>	14.5
<i>Viscosity Index, ASTM D 2270</i>	103
<i>Flash Point, (COC), °F</i>	210
<i>Pour Point, °C</i>	-27
<i>Density @ 15°C kg/l, ASTM D 4052</i>	0.895