

STERN 80W-90 / 85W-140 GL-5 P-Series

Multipurpose Gear Lubricant

API GL-5, MT-1

Multipurpose Gear Lubricants are premium grades of automotive gear lubricants formulated from highly refined mineral base oils with a 'sulfur/phosphorus' controlled chemically active additive system. The lubricant film provides exceptional gear protection with good thermal stability under boundary lubrication conditions. Supplementary fluid characteristics include anti-wear performance, corrosion inhibition, rust prevention and anti-foaming tendencies in vehicle gear-lubrication systems.

APPLICATIONS

The SAE Grade 80W-90 is suggested for automotive/light-truck applications; SAE Grade 85W-140 for commercial trucks and vehicles with high load capacities. Both grades meet API Service Classifications GL-5 and MT-1. Recommended for conventional manual transmissions, differentials, rear axles, final drives, manual steering gears for on-highway light and heavy duty trucks, busses and vans. Meets MT-1 capability for non-synchronized manual transmissions in heavy duty systems. These fluid grades may be used for industrial and commercial mechanical applications when specified by the manufacturer. Suitable use for U.S. Military Specification MIL-PRF-2105E, SAE J2360, and Mack GO-G, H, & GO-J classifications. The product provides all-weather performance, high film strength, and exceptional lubrication at high temperatures.

TYPICAL PROPERTIES

Multipurpose Gear Lubricant	80W-90	85W-140
<i>Viscosity (cSt) at 40°C</i>	136	406
<i>Viscosity (cSt) at 100°C</i>	14.0	27.0
<i>Viscosity Index</i>	100	96
<i>Flash Point, (COC), °C/°F</i>	210 / 410	215 / 420
<i>Pour Point, °C/°F</i>	-26 / -15	-15 / +5
<i>Gravity, API @ 60°F</i>	24.5	24.0
<i>Density @ 15°C kg/l, ASTM D-4052</i>	0.907	0.910