

MULTIPURPOSE GEAR LUBRICANT
SAE GRADES 80W-90 & 85W-140
API GL-5, MT-1

Typical Properties

SAE Gear Grade	80W-90	85W-140
Viscosity, cSt		
At 40°C	136	406
At 100°C	14.0	27.0
Viscosity, SUS		
At 100°F	716	2172
At 210°F	75.6	133.3
Viscosity Index	100	96
Flash Point, (COC) Deg °C(°F)	210(410)	215(420)
Pour Point, Deg °C(°F)	-26(-15)	-15(+5)
Gravity, API @ 60°F	24.5	24.0
Density @ 15°C kg/l, ASTM D-4052	0.907	0.910

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

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-climate performance, high film strength, and exceptional lubrication at high temperatures.