



Relyant

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

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.

Recommended for differentials, rear axles, final drives, conventional manual transmissions, manual steering gears, and limited slip top-off suitability, in passenger cars and trucks where GL-5 type lubricant is specified. Recommended for gear applications where sulfur/phosphorus controlled chemically-active additive package is designated. Automotive Gear Lubricant meets or exceeds API GL-5, DAF, ZF TE-ML 07A, ZF TE-ML 08, GB 13895. SAE Grade 80W-90 is primarily recommended for passenger cars and light trucks; Grade 85W-140 for heavy duty equipment, both on and off-highway fleets, as well as many industrial and commercial mechanical systems applications.