

MULTIPURPOSE GEAR LUBRICANT

SAE GEAR 80W-90 and 85W-140 | API GL-5

Product Description

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

Applications

Recommended for use in differentials, rear axles, final drives, conventional manual transmissions, manual steering gears in passenger cars and trucks where GL-5 type lubricant is specified. Suitable for gear applications requiring a sulfur/phosphorus controlled additive package.

Automotive Gear Lubricant meets or exceeds API GL-5, DAF, ZF TE-ML 07A, ZF TE-ML 08, and GB 13895. SAE Grade 80W-90 is primarily recommended for passenger cars and light trucks, while Grade 85W-140 is suited for heavy-duty equipment, both on- and off-highway fleets, and various industrial and commercial mechanical systems.

Typical Properties

Property	80W-90	85W-140
Viscosity @ 40°C (cSt)	136	406
Viscosity @ 100°C (cSt)	14.0	27.0
Viscosity @ 100°F (SUS)	716	2172
Viscosity @ 210°F (SUS)	75.6	133.3
Viscosity Index	100	96
Flash Point °F (COC)	410	420
Pour Point °F	-15	+5
Pour Point °C	-26	-15
API Gravity @ 60°F	24.5	24.0

The values listed above are typical of current production and are subject to change within acceptable manufacturing tolerances. Certain properties are controlled during production, while others serve as reference values for performance expectations.