



YOKOHAMA / TRANSMISSION 75W-90 GL-5

SEMI-SYNTHETIC AUTOMOTIVE GEAR OIL

PRODUCT DESCRIPTION

YOKOHAMA TRANSMISSION 75W-90 GL-5 is a semi-synthetic automotive gear oil developed for drivetrain components exposed to changing loads and temperatures. Its extreme-pressure and anti-wear characteristics help protect hypoid gear surfaces under high contact pressure, shock loading and low-speed, high-torque conditions. SAE 75W-90 fluidity supports oil circulation in cold operation and a continuous lubricating film at operating temperature. Oxidation resistance, together with rust, corrosion and foam control, supports reliable lubrication of gears and bearings.

APPLICATIONS

For passenger cars, light commercial vehicles and heavy-duty on- or off-highway equipment requiring SAE 75W-90 and API GL-5 in differentials, axles, final drives and hypoid gear units. Construction and agricultural equipment may use it in mechanical gear units where this grade and performance level are specified. Use in manual transmissions, transfer cases or synchronized systems only when the equipment manufacturer specifies API GL-5 and the lubricant meets the system's friction and material requirements.

PERFORMANCE SPECIFICATIONS

**API
GL-5**

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
SAE viscosity grade	-	-	75W-90
Kinematic viscosity at 40°C	ASTM D445	mm²/s	101.00
Kinematic viscosity at 100°C	ASTM D445	mm²/s	15.70
Viscosity index	ASTM D2270	-	165.50
Density at 15°C	ASTM D4052	kg/m³	880
Flash point, Cleveland open cup	ASTM D92	°C	200
Pour point	-	°C	-40.4
Brookfield viscosity at -40°C	-	mPa·s	66000

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.