



YOKOHAMA / TRANSMISSION 80W-90 GL-5

MANUAL TRANSMISSION AND DIFFERENTIAL GEAR OIL

PRODUCT DESCRIPTION

YOKOHAMA TRANSMISSION 80W-90 GL-5 is a multigrade automotive gear lubricant for drivetrain components operating under high loads and changing service conditions. Its extreme-pressure and anti-wear properties help protect hypoid gear surfaces subject to high contact pressure and shock loading. Thermal and oxidation stability help resist oil thickening and deposit formation, while rust, corrosion and foam control support dependable lubrication of gears and bearings.

APPLICATIONS

For passenger cars, commercial vehicles and suitable off-highway equipment requiring SAE 80W-90 and API GL-5 in differentials, axles, hypoid gears and final drives. Manual transmissions or other gear units should be considered only where the equipment specification calls for GL-5 performance and this viscosity grade.

PERFORMANCE SPECIFICATIONS

**API
GL-5**

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
SAE viscosity grade	-	-	80W-90
Kinematic viscosity at 40°C	ASTM D445	mm²/s	133.00
Kinematic viscosity at 100°C	ASTM D445	mm²/s	14.15
Viscosity index	ASTM D2270	-	103.00
Density at 15°C	ASTM D4052	kg/m³	898.5
Flash point, Cleveland open cup	ASTM D92	°C	222
Pour point	-	°C	-26.4

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.