



YOKOHAMA / TRANSMISSION 80W-90 GL-4

MANUAL TRANSMISSION AND GEAR OIL

PRODUCT DESCRIPTION

YOKOHAMA TRANSMISSION 80W-90 GL-4 is a multigrade gear lubricant developed for manual transmissions and compatible automotive gear systems. Its lubricating film supports load-bearing gear contacts, while GL-4-level extreme-pressure performance helps protect components across changing speed and torque conditions. Thermal and oxidation stability help limit oil thickening and deposit formation during service. Rust, corrosion and foam control support reliable lubrication of gears, bearings and related drivetrain parts.

APPLICATIONS

For passenger cars, commercial vehicles and suitable off-highway equipment requiring SAE 80W-90 and API GL-4 in manual transmissions and gear units. Synchronized or non-synchronized gearboxes, auxiliary drive units and medium-load axles may be considered when the equipment specification calls for this grade and performance level.

PERFORMANCE SPECIFICATIONS

**API
GL-4**

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
SAE viscosity grade	-	-	80W-90
Kinematic viscosity at 40°C	ASTM D445	mm²/s	138.00
Kinematic viscosity at 100°C	ASTM D445	mm²/s	14.10
Viscosity index	ASTM D2270	-	100.00
Density at 15°C	ASTM D4052	kg/m³	890
Flash point, Cleveland open cup	ASTM D92	°C	250
Pour point	-	°C	-25.0
Brookfield viscosity at -26°C	-	mPa·s	134000

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.