

YOKOHAMA / TRANSMISSION 80W GL-4

MANUAL TRANSMISSION AND GEAR OIL

PRODUCT DESCRIPTION

YOKOHAMA TRANSMISSION 80W GL-4 is a monograde automotive gear oil developed for manual transmissions and mechanical gear systems. Its additive balance supports the lubricating film on load-bearing gear surfaces and helps control wear under medium extreme-pressure conditions, including high-speed, low-torque and low-speed, high-torque operation. Thermal and oxidation stability help limit oil thickening and deposit formation, while rust, corrosion and foam control support dependable lubrication of gears, bearings and related components.

APPLICATIONS

For passenger cars, pickups, trucks and buses requiring SAE 80W and API GL-4 in manual transmissions. It may also be considered for mechanical gearboxes in construction, agricultural and other off-highway equipment when the same grade and performance level are specified. Selection for synchronized gearboxes, medium-load axles and auxiliary gear units depends on the equipment maker's stated lubricant requirement.

PERFORMANCE SPECIFICATIONS

**API
GL-4**

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
SAE viscosity grade	-	-	80W
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	80.80
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	10.10
Viscosity index	ASTM D2270	-	102.00
Density at 15°C	ASTM D4052	kg/m ³	890
Flash point, Cleveland open cup	ASTM D92	°C	216
Pour point	-	°C	-32.0
Brookfield viscosity at -26°C	-	mPa·s	21500

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.