



YOKOHAMA / TRANSMISSION 90 GL-1

SINGLE-GRADE TRANSMISSION GEAR OIL

PRODUCT DESCRIPTION

YOKOHAMA TRANSMISSION SAE 90 GL-1 is a single-grade gear lubricant for manual transmissions and gear drives operating under mild service conditions where API GL-1 protection is specified. Its SAE 90 viscosity supports a lubricating film across gear and bearing contacts. Thermal stability, oxidation resistance, rust protection and foam control help maintain dependable lubrication during service.

APPLICATIONS

For manual transmissions, axles and final drives in passenger and commercial vehicles requiring SAE 90 and API GL-1. It may also be used in suitable construction, mining, quarrying and agricultural equipment where the same grade and performance level are specified. This product is not intended for hypoid gears or other applications that require extreme-pressure protection such as API GL-5.

PERFORMANCE SPECIFICATIONS

**API
GL-1**

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
SAE viscosity grade	-	-	90
Kinematic viscosity at 40°C	ASTM D445	mm²/s	198
Kinematic viscosity at 100°C	ASTM D445	mm²/s	17.5
Viscosity index	ASTM D2270	-	95
Density at 15°C	ASTM D4052	kg/m³	890
Flash point, Cleveland open cup	ASTM D92	°C	260
Pour point	ASTM D97	°C	-12.0

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.