



YOKOHAMA / **IMPROVE**

TECHNICAL DATA SHEET | TDS

SAE 20W-50

API SN / CF

PRODUCT DESCRIPTION

YOKOHAMA IMPROVE SAE 20W-50 is a multigrade engine oil formulated for four-stroke gasoline engines and suitable diesel engines. Its balanced additive system combines oxidation resistance and cleaning performance to help control deposit formation and maintain engine operating condition throughout service. The SAE 20W-50 viscosity profile is designed to support a durable lubricating film at operating temperature. Its mineral base-oil formulation is intended for engines that specify this viscosity grade.

APPLICATIONS

For gasoline passenger cars and diesel passenger cars or light commercial vehicles without particulate filters where SAE 20W-50 and the stated performance levels are specified. The product profile supports lubrication continuity in city stop-and-go traffic and long-distance driving. Application is limited to engines whose specified lubrication requirements call for this viscosity grade and the listed performance levels.

PERFORMANCE SPECIFICATIONS

API SN / CF	ACEA A3/B3-16 A3/B4
Mercedes-Benz	229.1
PSA	B71 2295
Volkswagen	501.01 / 505.00

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE viscosity grade	SAE J300	20W-50
Kinematic viscosity at 40°C (mm²/s)	ASTM D445	165.20
Kinematic viscosity at 100°C (mm²/s)	ASTM D445	18.73
Viscosity index	ASTM D2270	127
Density at 15°C (kg/m³)	ASTM D4052	890
Flash point, COC (°C)	ASTM D92	232
Pour point (°C)	ASTM D97	-26

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.