

YOKOHAMA / PROTEC

20W-50

TECHNICAL DATA SHEET | TDS

PETROL & DIESEL ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA PROTEC 20W-50 is a multigrade engine oil formulated for gasoline and suitable diesel engines requiring this viscosity grade. Its detergent and dispersant system helps control sludge and deposits while supporting wear protection and oxidation resistance in everyday operation.

APPLICATIONS

For four-stroke gasoline passenger cars and diesel passenger or light commercial vehicles without particulate filters, where SAE 20W-50 and the performance levels below are specified. Suitable for naturally aspirated and turbocharged engines when these viscosity and performance requirements apply. Intended for daily driving, including urban use and longer journeys.

PERFORMANCE SPECIFICATIONS

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

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE viscosity grade	—	20W-50
Kinematic viscosity at 40°C (mm²/s)	ASTM D445	162.10
Kinematic viscosity at 100°C (mm²/s)	ASTM D445	18.76
Viscosity index	ASTM D2270	130.5
Density at 15°C (kg/m³)	ASTM D4052	884
Flash point, COC (°C)	ASTM D92	255.5
Pour point (°C)	ASTM D97	−30

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.