



YOKOHAMA / PROTEC

10W-30

TECHNICAL DATA SHEET | TDS

HEAVY-DUTY DIESEL ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA PROTEC 10W-30 is a multigrade engine oil formulated for four-stroke diesel engines operating under variable loads. Its detergent and dispersant system helps manage soot, support piston cleanliness and protect against wear, while balanced viscosity performance supports operation across changing start-up and running temperatures.

APPLICATIONS

For four-stroke diesel engines specifying SAE 10W-30 and the performance levels listed below, including applications without a particulate filter. Suitable applications include light commercial vehicles, trucks, buses, construction and agricultural equipment, and generators in on- and off-highway service. It may also be considered for gasoline engines requiring API SL or SJ when permitted by the vehicle manufacturer.

PERFORMANCE SPECIFICATIONS

API (diesel)	CI-4 / CH-4 / CG-4 / CF-4 / CF	JASO	DH-1
API (gasoline)	SL / SJ	Mack	EO-M Plus
ACEA	E7-08 / A3/B4-10	Volvo	VDS-3
MAN	M 3275	Cummins	CES 20076 / 20077 / 20078
Mercedes-Benz	MB 228.3	MTU	Type 2
Caterpillar	ECF-2	Deutz	DQC III-05
Renault Trucks	RLD-2	Global	DHD-1

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE viscosity grade	—	10W-30
Kinematic viscosity at 40°C (mm²/s)	ASTM D445	78.5
Kinematic viscosity at 100°C (mm²/s)	ASTM D445	11.5
Viscosity index	ASTM D2270	139.5
Density at 15°C (kg/m³)	ASTM D4052	870
Flash point, COC (°C)	ASTM D92	225
Pour point (°C)	ASTM D97	-34

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.