



YOKOHAMA / **IMPROVE**

TECHNICAL DATA SHEET | TDS

SAE 5W-30

API SP / SN / CF | ACEA C3 | MID-SAPS | FULLY SYNTHETIC ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA IMPROVE SAE 5W-30 is a fully synthetic, mid-SAPS engine oil developed for modern gasoline and light-duty diesel engines that require ACEA C3 performance. Its balanced formulation is intended to maintain lubricating-film integrity under varying operating temperatures and support wear protection in demanding service.

Selected base oil and additive technology helps manage oxidation, sludge and deposit formation while supporting engine cleanliness. The controlled sulphated ash, phosphorus and sulphur profile is designed for compatibility with suitable diesel particulate filters (DPF), gasoline particulate filters (GPF) and catalytic aftertreatment systems.

APPLICATIONS

Intended for passenger cars and light commercial vehicles with compatible gasoline or light-duty diesel engines using SAE 5W-30 and ACEA C3. Suitable applications include particulate-filter-equipped vehicles and catalytic exhaust aftertreatment systems in relevant engine categories.

PERFORMANCE SPECIFICATIONS

API	SP / SN / CF	ACEA	C3
Mercedes-Benz	MB 229.31 / 229.51 / 229.52	Volkswagen	VW 504 00 / 507 00
BMW	Longlife-04	Porsche	C30

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE Viscosity Grade	SAE J300	5W-30
Kinematic Viscosity at 40°C (mm²/s)	ASTM D445	68.00
Kinematic Viscosity at 100°C (mm²/s)	ASTM D445	11.90
Viscosity Index	ASTM D2270	172.7
Density at 15°C (g/cm³)	ASTM D4052	0.844
Flash Point, COC (°C)	ASTM D92	229.5
Pour Point (°C)	ASTM D97	-42

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.