



YOKOHAMA / **IMPROVE**

TECHNICAL DATA SHEET | TDS

SAE 0W-40

ACEA A3/B4 | API SP | FULLY SYNTHETIC HIGH-PERFORMANCE ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA IMPROVE SAE 0W-40 is a fully synthetic engine oil developed for demanding gasoline and suitable light-duty diesel engines requiring ACEA A3/B4 performance. Its viscosity characteristics help maintain a durable lubricating film at elevated operating temperatures, while the SAE 0W winter grade supports rapid oil circulation during cold starts.

A carefully selected base oil and additive system is formulated to support wear protection, oxidation resistance and the control of sludge and deposits, helping maintain engine cleanliness across a wide range of operating conditions.

APPLICATIONS

For naturally aspirated and turbocharged gasoline engines and selected light-duty diesel engines without DPF, requiring SAE 0W-40 and ACEA A3/B4.

PERFORMANCE SPECIFICATIONS

ACEA	A3/B4	API	SP
Mercedes-Benz	MB 229.3 / 229.5	BMW	Longlife-01
Volkswagen	VW 502 00 / 505 00	Porsche	A40
Renault	RN0700 / RN0710	Ford	WSS-M2C937-A
PSA / Stellantis	B71 2296	Fiat	9.55535-M2

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE Viscosity Grade	SAE J300	0W-40
Kinematic Viscosity at 40°C (mm²/s)	ASTM D445	76.17
Kinematic Viscosity at 100°C (mm²/s)	ASTM D445	13.40
Viscosity Index	ASTM D2270	181
Density at 15°C (g/cm³)	ASTM D4052	0.842
Flash Point, COC (°C)	ASTM D92	230
Pour Point (°C)	ASTM D97	-43

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.