



YOKOHAMA / **IMPROVE**

TECHNICAL DATA SHEET | TDS

SAE 5W-20

SP/RC | API SP RC | ILSAC GF-6A | FULLY SYNTHETIC ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA IMPROVE SAE 5W-20 SP/RC is a fully synthetic engine oil developed for modern gasoline engines, including turbocharged direct-injection designs and compatible hybrid powertrains, where SAE 5W-20 is specified. Its low-viscosity characteristics are intended to help reduce frictional losses and support efficient lubrication during cold starts and everyday driving. The balanced base oil and additive system is formulated to support wear protection, oxidation stability and engine cleanliness by helping limit deposit and sludge formation. The API SP Resource Conserving and ILSAC GF-6A performance categories address demanding requirements including low-speed pre-ignition (LSPI) and timing-chain wear in applicable gasoline engines.

APPLICATIONS

Intended for passenger cars, light-duty gasoline vehicles and compatible hybrid engines using SAE 5W-20 with API SP Resource Conserving or ILSAC GF-6A performance. Suitable for naturally aspirated and turbocharged gasoline engines with fuel-economy-focused lubrication needs.

PERFORMANCE SPECIFICATIONS

API	SP Resource Conserving	ILSAC	GF-6A
Chrysler	MS-6395	Fiat	9.55535-CR1
Ford	WSS-M2C945-A	Ford	WSS-M2C946-A
General Motors	dexos1 Gen 2	Toyota / Lexus	SFU
Honda / Acura	SFU	Hyundai / Kia	SFU
Nissan / Infiniti	SFU	Mazda / Mitsubishi	SFU

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE Viscosity Grade	SAE J300	5W-20
Kinematic Viscosity at 40°C (mm²/s)	ASTM D445	47.01
Kinematic Viscosity at 100°C (mm²/s)	ASTM D445	8.40
Viscosity Index	ASTM D2270	158.5
Density at 15°C (g/cm³)	ASTM D1298 / D4052	0.844
Flash Point, COC (°C)	ASTM D92	238.5
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.