



YOKOHAMA / **IMPROVE** SAE 0W-20

TECHNICAL DATA SHEET | TDS

LS-FE | FULLY SYNTHETIC ENGINE OIL

PRODUCT DESCRIPTION

YOKOHAMA IMPROVE 0W-20 LS-FE is a fully synthetic, mid-SAPS engine oil designed for modern gasoline, suitable light-duty diesel and selected hybrid engines requiring an SAE 0W-20 low-HTHS fuel-economy lubricant. Its viscosity profile supports efficient cold-start oil circulation and friction reduction, while the additive formulation helps manage wear, oxidation and engine deposits. Emissions-system considerations include compatible DPF/GPF and catalytic aftertreatment applications.

APPLICATIONS

For selected gasoline, turbocharged direct-injection, light-duty diesel and hybrid engines requiring SAE 0W-20 with ACEA C5/C6 performance.

PERFORMANCE SPECIFICATIONS

ACEA C5 / C6	API SP
MERCEDES-BENZ MB 229.71 / 229.72	BMW Longlife-17 FE+
VOLKSWAGEN / AUDI VW 508 00 / 509 00	PORSCHE C20
FORD WSS-M2C956-A1	JAGUAR LAND ROVER STJLR.03.5006
RENAULT RN17 FE	

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE Viscosity Grade	SAE J300	0W-20
Kinematic Viscosity at 40°C	ASTM D445 / DIN 51562	41.03 mm²/s
Kinematic Viscosity at 100°C	ASTM D445 / DIN 51562	7.97 mm²/s
Viscosity Index	ASTM D2270 / ISO 2909	172.5
Density at 15°C	ASTM D4052	0.843 g/cm³
Flash Point (COC)	ASTM D92	233.5°C
Pour Point	ASTM D97	-53°C

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.