



SAE 5W-20 API SP GF-6A

Fully Synthetic SAE (5W 20) Gasoline Engine Oil Specifically Developed For Modern Japanese And American Low Viscosity Engines, Offering Advanced LSPI Protection Noticeable Fuel Economy Benefits and Excellent Engine Cleanliness Under Demanding Operating Conditions.

SPECIFICATIONS AND MEETS:

API SP, ILSAC GF 6A, ACEA A1/B1

Package : I – 4 – 5 – 208

PROPERTY	VALUE	TEST METHOD
Appearance	Clear to light liquid	VISUAL
Density @ 15°C	0.85 g/cm ³	ASTM D4052
Viscosity @ 40°C	50 cSt	ASTM D445
Viscosity @ 100°C	8.1 cSt	ASTM D445
Viscosity Index	160	ASTM D2270
Pour Point	-38 °C	ASTM D97
Flash Point (COC)	220 °C	ASTM D92

APPLICATIONS

- Modern gasoline engines.
- Fuel-efficient vehicles
- Enhances fuel economy cold starts.

PROPERTY	VALUE	TEST METHOD
Total Base Number (TBN)	9	ASTM D2896
Total Acid Number (TAN)	2	ASTM D664
Sulfated Ash	<0.8 wt	ASTM D874
Boron Content	65 PPM	ICP
Molybdenum Content	100 PPM	ICP
Zinc Content	1000 PPM	ICP
Phosphorus Content	500 PPM	ICP
Calcium Content	2500 PPM	ICP
Magnesium Content	200 PPM	ICP
Oxidation Stability	Very high	ASTM D943
Nitration Level	Very low	FTIR

BENEFITS

- Improved Cold Start Performance
- Better Fuel Efficiency
- Engine Protection
- Enhanced Engine Performance
- Reduced Emissions

ELEMENT ANALYSIS	PASS/FAIL	ASTM D5185
Water Content	<0.05 ppm	ASTM D6304
Dispersant Level	Optimized for LSP	IR Analysis
SEQUENCE I (24°C):		
Tendency	0-50 ml	ASTM D892
Stability	0-10 ml	ASTM D892