



PASSENGER CAR MOTOR OIL

Full Synthetic SAE 5W-20

ILSAC GF-7A

API SP

HYBRID COMPATIBLE



1 QT PRESENTATION

DESCRIPTION

Full Synthetic SAE 5W-20 is a premium full synthetic motor oil specifically engineered for today's most advanced engines, especially those navigating demanding, stop-and-go driving or equipped with start-stop technology. Full Synthetic SAE 5W-20 motor oil delivers extended engine life, reduced wear, and improved fuel efficiency. 100% Full Synthetic Formula provides enhanced low-temperature performance and maximum horsepower. Providing protection and performance where it matters most.

Formulated with a low-friction additive package, Full Synthetic SAE 5W-20 helps improve fuel economy while guarding against harmful wear, sludge buildup, and deposits. Its robust chemistry offers exceptional thermal stability, preventing breakdown under high-heat conditions and reducing the risk of stuck rings. Engineered to meet the needs of modern turbocharged and gasoline direct injection (GDI) engines, it delivers critical protection against Low-Speed Pre-Ignition (LSPI) and timing chain wear.

FEATURES & BENEFITS

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| <p>01 Advanced Anti-Wear Protection: Helps reduce engine wear for longer engine life and durability.</p> | <p>02 High-Temperature Stability: Maintains performance in today's smaller, hotter-running engines with improved thermal and oxidative resistance.</p> |
| <p>03 Engine Cleanliness: Resists sludge, varnish, and harmful deposits to maintain peak engine performance.</p> | <p>04 LSPI & Timing Chain Defense: Protects modern turbo and GDI engines from damaging LSPI events and timing chain wear.</p> |
| <p>05 Improved Fuel Economy: Improves gas mileage through a low-friction formula while reducing emissions.</p> | <p>06 Corrosion & Rust Protection: Shields critical engine components from moisture and environmental damage.</p> |
| <p>07 Extended Drain Performance: Engineered to meet automaker recommendations for extended oil change intervals.</p> | <p>08 Ethanol Fuel Compatible: Safe for use with ethanol-blended fuels.</p> |

APPLICATIONS

Full Synthetic SAE 5W-20 meets or exceeds the demanding requirements of International Lubricant Standardization and Approval Committee (ILSAC) GF-7A and all previous ILSAC categories GF-6A through GF-1. ILSAC GF-7A comprises the latest standard for passenger car, van, light truck and sport utility vehicles motor oils. Full Synthetic SAE 5W-20 meets requirements of API SQ and previous API categories API SP, SN PLUS, SN, SM, SL. Viscosity recommendations vary according to temperature and engine manufacturer. Suitable for Hyundai and Kia vehicles. Suitable for use for the following Chinese car OEMs: BYD, Chery, Exeed, JAC and Geely.

MEETS REQUIREMENTS OF

ILSAC GF-7A

API SQ, SP, SN PLUS, SN, SM, SL

Ford WSS-M2C970-A1

Ford WSS-M2C960-A

Ford WSS-M2C945

Chrysler MS-6395

GM6094M

Hybrid Compatible

* ALWAYS CONSULT YOUR OWNER'S MANUAL FOR THE PROPER FLUID FOR YOUR EQUIPMENT.

TYPICAL TEST DATA

SAE GRADE	5W-20
Specific Gravity, (60°F)	0.8407
Viscosity, @ 40°C, cSt	51.01
Viscosity, @ 100°C, cSt	8.767
Viscosity Index	151
Cold Crank, cP at -30°C	5,218
Flash Point, °F	450
Pour Point, °C (°F)	-39 (-38)
Noack Volatility %	7.8
High Temp/High Shear Visc, cP @150°C	2.7
Color	2.5
Phosphorus, wt%	0.069
Zinc, wt%	0.075

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.

CODES & AVAILABLE PRESENTATIONS

PG102-BLK

PureGuard Full Synthetic SAE
5W-20

BULK

PG102-5QT

PureGuard Full Synthetic SAE
5W-20

5 QT

PG102-1QT

PureGuard Full Synthetic SAE
5W-20

1 QT

PG102-DR

PureGuard Full Synthetic SAE
5W-20

DRUM

PERFORMANCE AT A GLANCE

VISCOSITY INDEX

151

NOACK VOLATILITY %

7.8

COLD CRANK, CP AT -30°C

5,218



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1862 NW 82nd Ave, Doral, FL 33126 +1 (305) 910 0282 www.inforcainternational.com



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