

QUAKER STATE FULL SYNTHETIC SAE 5W-20 MOTOR OIL

PASSENGER CAR MOTOR OIL

TECHNICAL DATA SHEET



Quaker State® Full Synthetic motor oil is the best of the Quaker State family of products, reducing friction to maximize horsepower, protecting against the formulation of sludge and harmful deposits, and providing improved fuel economy¹. It is a high quality full synthetic motor oil specially formulated to deliver strong engine performance. Quaker State® Full Synthetic motor oil is designed to protect today's sophisticated engines such as modern turbocharged engines.

1 Based on the latest industry standard

PERFORMANCE, FEATURES & BENEFITS

- Provides improved fuel economy¹
- Reduces friction to maximize horsepower
- Excellent protection against the formation of sludge and harmful deposits
- Superior lubrication flow and pumpability at high and low temperatures²
- High resistance to oxidation, keeping the oil fresher for longer

1 Based on the latest industry standard

2 Compared to Quaker State (R) motor oil

MAIN APPLICATIONS

Quaker State® Full Synthetic SAE 5W-20 Motor Oil is recommended for use in all vehicles requiring the use of SAE 5W-20 viscosity grade engine oils under all driving conditions. It can be mixed with other synthetic or mineral oils. Always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

The unique properties of Quaker State® Full Synthetic motor oil are especially apparent in the following applications:

- Technologically advanced engines
- New and older vehicles, especially high performance vehicles such as sport cars, SUVs, trucks and minivans
- Compatible with biofuels ranging from E10 to E85 and suitable for hybrid vehicles

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Chrysler MS 6395
- General Motors dexos1™ Gen 2 (license D10074GE014)
- Ford WSS-M2C945-A, M2C945-B1

Exceeds the requirements of the following industry specifications:

- API SP-Resource Conserving, API SN PLUS and all previous Categories
- ILSAC GF-6A

For a full listing of equipment approvals and recommendations, please consult your local Technical Helpdesk.

To find the right Quaker State® product for your vehicles and equipment, please consult www.quakerstate.com to look up the right motor oil recommendation using our oil selector.

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TYPICAL PHYSICAL CHARACTERISTICS

Properties	Method	Quaker State Full Synthetic SAE 5W-20 Motor Oil		
Viscosity Grade	SAE	5W-20		
API Service		SP-RC		
ILSAC		GF-6A		
GM		dexos 1™ Gen 2		
ACEA		N/A		
Density	kg/m ³	ASTM D4052	835	
Flash Point	°C	ASTM D93	235	
Pour Point	°C		-48	
Kinematic Viscosity	@40°C	cSt	ASTM D445	46.76
Kinematic Viscosity	@100°C	cSt	ASTM D445	8.41
Viscosity Index		ASTM D2270	157	
CCS Viscosity	@-30°C	cP	ASTM D5293	3 670
MRV Viscosity	@-35°C	cP	ASTM D4684	8 370

These characteristics are typical of current production. While future production will conform to Quaker State's® specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Quaker State® Lubricants distributor representatives or technical helpdesks.