

# QUAKER STATE FULL SYNTHETIC SAE 5W-30 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 economy<sup>1</sup>. 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 latest industry standard

## PERFORMANCE, FEATURES & BENEFITS

- Provides improved fuel economy<sup>1</sup>
- Reduces friction to maximize horsepower
- Excellent protection against the formation of sludge and harmful deposits
- Superior lubrication flow and pumpability at high and low temperatures<sup>2</sup>
- High resistance to oxidation, keeping the oil fresher for longer

1 Based on latest industry standard

2 Compared to Quaker State® Motor Oil

## MAIN APPLICATIONS

Quaker State® Full Synthetic SAE 5W-30 Motor Oil is recommended for use in all vehicles requiring the use of SAE 5W-30 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 3 (license D335AIDB014)
- Ford WSS-M2C961-A1

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](http://www.quakerstate.com) to look up the right motor oil recommendation using our oil selector.

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## PASSENGER CAR MOTOR OIL

### TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	Quaker State Full Synthetic SAE 5W-30 Motor Oil
Viscosity Grade			5W-30
API Service			SP-RC
ILSAC			GF-6A
GM			dexos 1™ Gen 3
ACEA			N/A
Density	kg/m <sup>3</sup>	ASTM D4052	837
Flash Point	°C	ASTM D93	234
Pour Point	°C	ASTM D97	-50
Kinematic Viscosity	@40°C cSt	ASTM D445	66.65
Kinematic Viscosity	@100°C cSt	ASTM D445	11.60
Viscosity Index		ASTM D2270	170
CCS Viscosity	@-30°C cP	ASTM D5293	3 800
MRV Viscosity	@-35°C cP	ASTM D4684	12 550

These characteristics are typical of current production. Whilst 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>

#### Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

### ADDITIONAL INFORMATION

#### Advice

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