

QUAKER STATE FULL SYNTHETIC SAE 0W-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 latest industry standard

2 Compared to Quaker State® motor oil

MAIN APPLICATIONS

Quaker State® Full Synthetic SAE 0W-20 motor oil is recommended for use in all vehicles requiring the use of SAE 0W-20 viscosity grade engine oils under all driving conditions. SAE 0W-20 viscosity grade oils are commonly recommended for newer vehicles with modern engine technology to provide improved fuel economy and performance. Quaker State® Full Synthetic 0W-20 can be mixed with other synthetic and mineral oils and is also suitable for use for vehicles calling for SAE 5W-20. However, SAE 0W-20 may not be suitable for use in older engines, so always consult your owner's manual for the correct viscosity grade 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
- Vehicles driven in extreme temperatures
- Compatible with biofuels ranging from E10 to E85 and suitable for hybrid vehicles

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Chrysler MS-6395
- GM dexos1™ Gen 2 (licence D10073GE014)
- Ford WSS-M2C947-A
- Ford WSS-M2C947-B1

Exceeds the requirements of the following industry specifications:

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

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

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equipment, please consult www.quakerstate.com to look up the right motor oil recommendation using our oil selector.

TYPICAL PHYSICAL CHARACTERISTICS

Properties	Method	Quaker State Full Synthetic SAE 0W-20 Motor Oil		
Viscosity grade		0W-20		
API Service		SP-RC		
ILSAC		GF-6A		
GM		dexos 1™ Gen 2		
ACEA		N/A		
Density	kg/m ³	ASTM D4052	834	
Flash Point	°C	ASTM D93	239	
Pour Point	°C	ASTM D97	-52	
Kinematic Viscosity	@ 40°C	cSt	ASTM D445	44.61
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	8.33
Viscosity Index		ASTM D2270	165	
CCS Viscosity	@-35°C	cP	ASTM D5293	5 040
MRV viscosity	@-40°C	cP	ASTM D4684	12 350

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 representatives or technical helpdesks.