

# QUAKER STATE® HIGH MILEAGE FULL SYNTHETIC 5W-20 MOTOR OIL

## TECHNICAL DATA SHEET



Quaker State® High Mileage Full Synthetic motor oil is the best high mileage motor oil of the Quaker State family of products. Specially formulated to provide optimal wear protection for many more miles to come. Quaker State® High Mileage Full Synthetic motor oil not only gives you all of the benefits of Quaker State® Full Synthetic motor oil – like reducing friction to maximize horsepower, protecting against the formulation of sludge and harmful deposits<sup>2</sup>, and providing improved fuel economy<sup>1</sup> – but Quaker State® High Mileage Full Synthetic motor oil conditions the seals in your aging engine to prevent leaks and reduce oil burn-offs. Also designed to protect today's sophisticated engines.

<sup>1</sup> Compared to industry standard

<sup>2</sup> Based on Sequence IIIH & VH tests on 0W-20 engine oil

### PERFORMANCE, FEATURES & BENEFITS

- Formulated for vehicles with more than 75k miles
- Conditions seals to prevent leaks, reduce oil burn offs and oil consumption
- Provides improved fuel economy<sup>2</sup>
- Reduces friction to maximize horsepower
- Conditions seals to prevent leaks and reduce oil burn offs.
- Excellent protection against the formation of sludge and harmful deposits<sup>1</sup>
- Superior lubrication flow and pumpability at high and low temperatures<sup>3</sup>
- High resistance to oxidation, keeping the oil fresher for longer

<sup>1</sup> Compared to industry standard

<sup>2</sup> Based on the latest industry standard

<sup>3</sup> Compared to Quaker State® motor oil

### MAIN APPLICATIONS

- Quaker State® High Mileage 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® High Mileage 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

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## SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry specifications:

- Chrysler MS-6395
- Ford WSS-M2C945-A; Ford WSS-M2C945-B1
- 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.

## TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	Quaker State® High Mileage Full Synthetic 5W-20 Motor Oil
Density	kg/m <sup>3</sup>	ASTM D4052	837.0
Flash Point	°C	ASTM D93	210
Flash Point	°C	ASTM D92	229
Pour Point	°C	ASTM D97	-54
Kinematic Viscosity	@ 40°C cSt	ASTM D445	46.22
Kinematic Viscosity	@ 100°C cSt	ASTM D445	8.42
Viscosity Index		ASTM D2270	157
MRV Viscosity	@-35°C cP	ASTM D4684	8 200

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.

If swallowed, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting.

Safety data sheet available on request. For Health Emergencies or Consumer Information call 1-877-276-7285.

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.