

QUAKER STATE® HIGH MILEAGE FULL SYNTHETIC 5W-30 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 deposits², and providing improved fuel economy¹ – 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.

¹ Compared to industry standard

² 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 economy²
- Reduces friction to maximize horsepower
- Excellent protection against the formation of sludge and harmful deposits¹
- Superior lubrication flow and pumpability at high and low temperatures³
- High resistance to oxidation, keeping the oil fresher for longer

¹ Compared to industry standard

² Based on Sequence IIIH & VH tests

³ Compared to Quaker State® motor oil

MAIN APPLICATIONS

- 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

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry specifications:

- Chrysler MS-6395
- Ford WSS-M2C946-A; Ford WSS-M2C946-B1
- API SP-Resource Conserving 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® High Mileage Full Synthetic 5W-30 Motor Oil
Viscosity grade			5W-30
API Service			API SP
ILSAC			GF-6A
ACEA			N/A
Density	kg/m ³	ASTM D4052	837
Flash Point	°C	ASTM D93	212
Pour Point	°C	ASTM D97	-48
Kinematic Viscosity	@ 40°C cSt	ASTM D445	60.71
Kinematic Viscosity	@ 100°C cSt	ASTM D445	10.77
Viscosity Index		ASTM D2270	170
MRV viscosity	@-35°C cP	ASTM D4684	11 400

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 Center 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 (SDS) 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.