

# QUAKER STATE® ADVANCED DURABILITY™ SAE 5W-20 MOTOR OIL



CONVENTIONAL MOTOR OIL

**TECHNICAL DATA SHEET**

Quaker State® Advanced Durability™ Motor Oil provides more protection,<sup>1</sup> helping engines survive daily commutes from sustained high-speed highway operation to repetitive, stop-and-go traffic. And we put our oil through real-world testing in taxi fleets across North America to ensure it delivers tough, reliable performance over the distance.

Protects modern turbocharged engines - API SN PLUS, API SN and all previous categories.

1 Compared to industry standard Sequence IVA

## PERFORMANCE, FEATURES & BENEFITS

- 2x better wear protection than wear standards set by top American and Japanese manufacturers.
- Maintains required viscosity from start to finish providing optimal protection.
- Provides corrosion protection against harmful acids generated by engine containments.
- Low-Speed Pre-Ignition (LSPI) protection for modern turbocharged engines.

## MAIN APPLICATIONS

Quaker State® Advanced Durability™ Motor Oil 5W-20 is recommended for use in all vehicles requiring the use of SAE 5W-20 viscosity grade engine oils under all driving conditions.

It is also suitable for use in modern direct injection turbocharged gasoline engines where it provides protection against damaging low-speed pre-ignition (LSPI).

Quaker State® Advanced Durability™ 5W-20 can be mixed with other synthetic and mineral oils and is recommended for use in all vehicle applications under all driving conditions. Always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

## SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Chrysler MS 6395
- Ford WSS-M2C930-A, M2C945-A, M2C945-B1
- General Motors GM 6094M

Exceeds the requirements of the following industry specifications:

- API SN PLUS
- API SN and all previous categories
- ILSAC GF-5

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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### TYPICAL PHYSICAL CHARACTERISTICS

Properties			Method	Quaker State® Advanced Durability™ SAE 5W-20 Motor Oil
Kinematic Viscosity	@40°C	cSt	ASTM D445	49.8
Kinematic Viscosity	@100°C	cSt	ASTM D445	8.55
Viscosity Index			ASTM D2270	149
Dynamic Viscosity	@-30°C	cP	ASTM D5293	5 000
MRV	@-35°C	cP	ASTM D4684	15 100
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	855.1
Flash Point		°C	ASTM D92	233
Flash Point		°C	ASTM D93	209
Pour Point		°C	ASTM D97	-48

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 <http://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.