

# QUAKER STATE® ULTIMATE DURABILITY™ OW-20 FULL SYNTHETIC MOTOR OIL

## TECHNICAL DATA SHEET



Quaker State® Ultimate Durability™ full synthetic motor oil is the best of the Quaker State products. Offering More Fuel Economy,<sup>1</sup> More Wear Protection,<sup>2</sup> More Engine Life,<sup>2</sup> and More Performance,<sup>3</sup> Quaker State® Ultimate Durability™ motor oil is specially formulated to protect today's sophisticated engines.

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

<sup>2</sup> Compared to industry standard Sequence IVA

<sup>3</sup> Compared to Quaker State® Conventional

### PERFORMANCE, FEATURES & BENEFITS

- More fuel economy, saving an average of 5 cents per gallon of gas with the help of a fuel saving additive that keeps the oil fresh<sup>4</sup>
- More protection, no leading synthetic motor oil provides better protection from friction-related wear<sup>2</sup>
- More engine life, as your engine temperature increases, heat-activated viscosity improvers and anti-wear additives kick-in to maintain oil thickness to help extend engine life<sup>2</sup>
- More performance, excellent lubrication in freezing temperatures<sup>3</sup>
- Improved resistance to engine stress at high engine speeds or under heavy loads<sup>3</sup>
- Superior resistance to thermal and viscosity breakdown<sup>3</sup>
- Excellent protection against the formation of sludge and other harmful deposits<sup>3</sup>

<sup>2</sup> Compared to industry standard Sequence VID 1 and Sequence IVA

<sup>3</sup> Compared to Quaker State® Conventional

<sup>4</sup> US: Compared to industry fuel economy (FE) standard as measured in Sequence VID w/ SAE 5W-30 engine oil. Savings based on avg. FE improvement of 1.4% @\$3.68/gal gas, eia.gov

<sup>4</sup> Canada: Compared to industry fuel economy (FE) standard as measured in Sequence VID w/ SAE 5W-30 engine oil. Savings based on avg. FE improvement of 1.4% @\$1.35/litre gas, nrcan.gov

### MAIN APPLICATIONS

The unique properties of Quaker State® Ultimate Durability™ full synthetic motor oil are especially apparent in the following applications:

- European vehicles
- 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™ (license GB1E0220014)

Exceeds the requirements of the following industry specifications:

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

For a full listing of equipment approvals and recommendations, please consult your local Technical Help Desk.

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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® Ultimate Durability™ Full Synthetic Motor Oil
Viscosity grade		OW-20
API Service		SN
ILSAC		GF-5
ACEA		N/A
Density	kg/m <sup>3</sup>	837
Flash Point	°C	ASTM D93 234
Pour Point	°C	ASTM D97 -45
Kinematic Viscosity	@ 40°C cSt	ASTM D445 44
Kinematic Viscosity	@ 100°C cSt	ASTM D445 8.3
Viscosity Index		ASTM D2270 167
CCS Viscosity	@-35°C cP	ASTM D5293 6,070
MRV viscosity	@-40°C cP	ASTM D4684 15,000

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 Material Safety Data Sheet (MSDS), which can be obtained from [www.epc.shell.com](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 representatives or technical help desks.