

# QUAKER STATE® ULTIMATE DURABILITY EURO 5W-40 SYNTHETIC MOTOR OIL

## TECHNICAL DATA SHEET



Quaker State® Ultimate Durability™ European 5W-40 Full Synthetic Motor Oil offers More Wear Protection<sup>1</sup>, More Engine Life<sup>1</sup> and More Performance<sup>2</sup> specially formulated to protect today's sophisticated European engines. Protects modern turbocharged engines - API SN PLUS, API SN and all previous categories.

### PERFORMANCE, FEATURES & BENEFITS

#### More protection

No leading synthetic motor oil provides better protection from friction-related wear<sup>1</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>1</sup>

#### More performance

Excellent lubrication in freezing temperatures<sup>2</sup>

Improved resistance to engine stress at high engine speeds or under heavy loads<sup>2</sup>

Superior resistance to thermal and viscosity breakdown<sup>2</sup>

Excellent protection against the formation of sludge and other harmful deposits<sup>2</sup>

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Protection against Low-Speed Pre-Ignition: Specially formulated for the needs of modern turbocharged direct injection engines, it helps protect against damaging low-speed pre-ignition (LSPI).<sup>3</sup>

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

<sup>2</sup> Compared to Quaker State® Conventional

<sup>3</sup> Based on ASTM Sequence IX engine test run at an independent laboratory

### 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
- Modern turbocharged direct injection gasoline engines

### SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- BMW LL-01
- Chrysler MS-10725, MS-12991
- MB-Approval 229.3, MB-Approval 229.5
- Porsche A40
- VW 502.00/505.00

Exceeds the requirements of the following industry specifications:

- API SN PLUS, API SN and all previous categories
- ACEA A3/B3, A3/B4

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 Euro 5W-40 Synthetic Motor Oil
Kinematic Viscosity	@40°C	cSt	ASTM D445	75.7
Kinematic Viscosity	@100°C	cSt	ASTM D445	12.8
Flash Point		°C	ASTM D92	235
Flash Point		°C	ASTM D93	211
Pour Point		°C	ASTM D97	-36
CCS Viscosity	@-30°C	cP	ASTM D5293	6 400
MRV	@-35°C	cP	ASTM D4684	17 700
Density		kg/m <sup>3</sup>	ASTM D4052	843
Viscosity Index			ASTM D2270	170

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 distributor representatives or technical help desks.