

QUAKER STATE® EURO 5W-40 SYNTHETIC MOTOR OIL

FULL SYNTHETIC MOTOR OIL

TECHNICAL DATA SHEET



Quaker State® Euro 5W-40 Full Synthetic Motor Oil offers More Wear Protection,¹ More Engine Life,¹ and More Performance² specially formulated to protect today's sophisticated European engines.

¹ Compared to industry standard Sequence IVA

² Compared to Quaker State® Conventional

PERFORMANCE, FEATURES & BENEFITS

More protection

No leading synthetic motor oil provides better protection from friction-related wear¹

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 life¹

More performance

Excellent lubrication in freezing temperatures²

Improved resistance to engine stress at high engine speeds or under heavy loads²

Superior resistance to thermal and viscosity breakdown²

Excellent protection against the formation of sludge and other harmful deposits²

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).³

¹ Compared to industry standard Sequence IVA

² Compared to Quaker State® Conventional

³ Based on ASTM Sequence IX engine test run at an independent laboratory

MAIN APPLICATIONS

The unique properties of Quaker State® Euro Full Synthetic 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

Always consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry and OEM specifications:

- API SQ and all previous categories
- ACEA A3/B3, A3/B4
- Chrysler MS-10725, MS-10850, MS-12991
- BMW LL-01
- MB-Approval 229.5
- VW 502.00/505.00
- Porsche A40

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 Euro 5W-40 Synthetic Motor Oil
API Service Category			SQ
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 ³	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 Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

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

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.