



Product Data

EDGE 0W-40

UNLOCK THE VERY EDGE OF PERFORMANCE

Description

The engine is the heart of the car. Over the past decade, groundbreaking advances in engine technology have boosted performance and efficiency, but we are no longer seeing big step changes in design. Now, with tougher regulations and more demanding specifications, the focus has shifted to engine oils as a critical area where advances can be made.

The challenge is to deliver the best performance for drivers, who still expect peak performance from their cars, while manufacturers navigate increasingly stringent legislative limits.

Castrol has identified 7 critical factors where engine oil impacts performance—and has proven that Castrol EDGE delivers ultimate performance against these.

Castrol EDGE is data engineered to surpass the latest industry and OEM specifications to deliver ultimate performance in 7 critical factors*:

Pressure, Power, Endurance, Fuel Economy, High Temperature Performance, Cleanliness and Wear.

For more, visit castrol.com/global-edge

**Across the Castrol engine oils portfolio only Castrol EDGE demonstrates ultimate performance by surpassing OEM & Industry specification limits covering 7 critical factors of: Pressure, Power, Endurance, Fuel Economy, High Temp performance, Cleanliness and Wear (> 80% of Castrol EDGE products based on global 2024 portfolio volume sales).*

Application

Castrol EDGE 0W-40 is suitable for petrol, diesel and hybrid cars and designed to meet the latest specifications required by modern engines where the vehicle manufacturer recommends an ACEA C3, API SQ or earlier specification 0W-40 lubricant.

Advantages

The Castrol EDGE range:

- Delivers ultimate performance in 7 critical factors* of Pressure, Power, Endurance, Fuel Economy, High Temperature Performance, Cleanliness and Wear
- Delivers ultimate performance in 7 critical factors* of Endurance, Fuel Economy, High Temperature Performance, Cleanliness and Wear
- Data engineered, motorsport inspired and OEM approved
- Designed for latest engine technology
- Recommended for world-leading car manufacturers

Castrol EDGE (viscosity) delivers against HYSPEC, Castrol's hybrid performance standard**

**Across the Castrol engine oils portfolio only Castrol EDGE demonstrates ultimate performance by surpassing OEM & Industry specification limits covering 7 critical factors of: Pressure, Power, Endurance, Fuel Economy, High Temp performance, Cleanliness and Wear (> 80% of Castrol EDGE products based on global 2024 portfolio volume sales).*

Typical Characteristics

Name	Method	Units	Castrol EDGE 0W-40
Density @ 15C, Relative	ASTM D4052	g/ml	0.842
Viscosity, Kinematic 100C	ASTM D445	mm²/s	13.3
Viscosity, Kinematic 40C	ASTM D445	mm²/s	74
Viscosity Index	ASTM D2270	None	185
Viscosity, CCS -35C (0W)	ASTM D5293	mPa.s (cP)	5900
Pour Point	ASTM D97	°C	-45
Flash Point, PMCC	ASTM D93	°C	200
Ash, Sulphated	ASTM D874	% w t	0.8

Product Performance Claims

ACEA C3

API SQ

MB-Approval 229.51, BMW Longlife-04, Renault RN 0700 / RN 0710

Meets Fiat 9.55535-S2

Suitable for use in vehicles requiring MB 229.31

EDGE 0W-40

12 Sep 2025

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

www.castrol.com