



Product Data

## Castrol EDGE 5W-30 M

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](https://www.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 5W-30 M 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 C2, C3, API SQ or earlier specification 5W-30 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
- Data engineered, motorsport inspired and OEM approved
- Designed for latest engine technology
- Recommended for world-leading car manufacturers
- Suitable for use in hybrid cars

\*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 5W-30 M
Density @ 15C, Relative	ASTM D4052	g/ml	0.85
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	12.0
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	71
Viscosity Index	ASTM D2270	None	167
Viscosity, CCS -30C (5W)	ASTM D5293	mPa.s (cP)	6000
Pour Point	ASTM D97	°C	-42
Flash Point, COC	ASTM D92	°C	220
Ash, Sulphated	ASTM D874	% wt	0.7

## Performance

ACEA C2, C3  
API SQ  
BMW Longlife-04  
MB-Approval 229.51/ 229.52  
Meets Fiat 9.55535-S3

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Castrol EDGE 5W-30 M  
12 Feb 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](http://www.castrol.com)