



Product Data

Castrol EDGE Professional C1 5W-30

UNLOCK THE VERY EDGE OF PERFORMANCE

Description

With worldwide emissions regulations tightening there is a renewed challenge to produce more power whilst still improving engine efficiency. Never before has engine oil played such a key role to deliver performance. Engines are complex, with many moving parts – movement that can waste useful fuel energy through inefficiency. With these losses, power can be impacted. The challenge is to maintain the high performance levels expected by drivers, whilst engine technology adapts to meet the demanding legislative limits. Castrol EDGE is stronger under pressure. It unlocks your engine's performance and efficiency to deliver more power with the same fuel*.

Castrol EDGE: unlock the very edge of performance.

* Greater power delivery for same amount of fuel used compared to 5W-40 baseline, demonstrated by engine testing for more than 80% of the Castrol EDGE portfolio in global sales volume in 2021.

Application

Castrol EDGE Professional C1 5W-30 is suitable for petrol, and diesel cars and designed to meet the latest specifications required by modern engines where the vehicle manufacturer recommends a ACEA C1, JLR STJLR 03.5005 or earlier specification 5W-30 lubricant.

Advantages

The Castrol EDGE range:

- Delivers more horsepower and greater acceleration to get you more metres ahead*
- Demonstrates improved performance as a result of better fuel economy
- Stronger under pressure in today's modern engines
- Recommended for world-leading car manufacturers
- Suitable for use in hybrid cars (for grades where hybrid application is applicable)

*demonstrated in Castrol engine testing relative to 5W-40 baseline, for more than 80% of the Castrol EDGE portfolio in volume in 2021.

Typical Characteristics

Name	Method	Units	Castrol EDGE Professional C1 5W-30
Density @ 15C, Relative	ASTM D4052	g/ml	0.85
Viscosity, Kinematic 100C	ASTM D445	mm²/s	9.8
Viscosity, Kinematic 40C	ASTM D445	mm²/s	53
Viscosity Index	ASTM D2270	None	172
Viscosity, CCS -30C (5W)	ASTM D5293	mPa.s (cP)	4000
Pour Point	ASTM D97	°C	-42
Flash Point, PMCC	ASTM D93	°C	198
Ash, Sulphated	ASTM D874	% w t	0.47

Product Performance Claims

ACEA C1

Jaguar Land Rover engine oil specification STJLR.03.5005

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 Professional C1 5W-30

28 May 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

Orders/Enquiries: 0345 6008125 Technical Enquiries: 0345 082 1719 BP (Ireland) Ireland Orders/Enquiries: 1850 930 3942 Ireland Technical Enquiries: 1800 509 353

www.castrol.com/uk