



Product Data Sheet

Castrol EDGE 5W-30 LL

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 5W-30 LL 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 5W-30 lubricant.

Advantages

The Castrol EDGE range:

- Recommended for world-leading car manufacturers, motorsport teams and mechanics
- Demonstrates improved performance as a result of better fuel economy*
- Delivers more horsepower and greater acceleration*
- Stronger under pressure in today's modern engines
- Suitable for use in hybrid cars

**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	EDGE 5W-30 LL
Density @ 15C, Relative	ASTM D4052	g/ml	0.85
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	12.1
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	69
Viscosity Index	ASTM D2270	None	173
Viscosity, CCS -30C (5W)	ASTM D5293	mPa.s (cP)	5800
Pour Point	ASTM D97	°C	-43
Flash Point, PMCC	ASTM D93	°C	194
Ash, Sulphated	ASTM D874	% wt	0.77

Performance

ACEA C3

BMW Longlife-04

MB-Approval 229.51

Porsche C30

VW 504 00/ 507 00

Warranted by Castrol to be completely suitable for use in vehicles where the following specifications apply: - MB 229.31,

VW 505 00/ 505 01

Castrol EDGE 5W-30 LL

15 Jul 2025

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

This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication. No statement made in this publication shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. It is the User's obligation to evaluate and use products safely and within the scope advised in the Data Sheet, 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 products. The Seller shall not be responsible for any loss, damage or injury resulting from any abnormal use of the product, from any failure to adhere to recommendations, nor from any hazards or risks which are i) identified in the Data Sheet, ii) inherent in the nature of petroleum products or iii) associated with the petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned). 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.

BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470

Telephone: 1.800.462.0835

www.castrol.com/ar

Page: 2/2