



Product Data

## Castrol EDGE 0W-20 LL IV

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.

Castrol EDGE: unlock the very edge of performance.

For more, visit [castrol.com/global-edge-optional](https://castrol.com/global-edge-optional)

\*Across the Castrol engine oils portfolio only Castrol EDGE demonstrates ultimate performance by surpassing the limits of industry specifications as well as either obtaining multiple formulation defining OEM specifications or undergoing formulation co-engineering with an OEM across 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-20 LL IV 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 C5, C6 0W-20 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

Castrol EDGE 0W-20 LL IV delivers against HYSPEC, Castrol's new hybrid performance standard\*\*

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*of industry specifications as well as either obtaining multiple formulation defining OEM specifications or undergoing formulation co-engineering with an OEM across 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).*

*\*\*Compared to performance minimum requirements set in both industry specification and Castrol bespoke testing across tests applicable to hybrid vehicle types, covering contaminants, engine intermittency and system efficiency.*

## Typical Characteristics

| Name                      | Method     | Units              | Castrol EDGE 0W-20 LL IV |
|---------------------------|------------|--------------------|--------------------------|
| Density @ 15C, Relative   | ASTM D4052 | g/ml               | 0.844                    |
| Viscosity, Kinematic 100C | ASTM D445  | mm <sup>2</sup> /s | 8.0                      |
| Viscosity, Kinematic 40C  | ASTM D445  | mm <sup>2</sup> /s | 42                       |
| Viscosity Index           | ASTM D2270 | None               | 166                      |
| Viscosity, CCS -35C (0W)  | ASTM D5293 | mPa.s (cP)         | 5825                     |
| Pour Point                | ASTM D97   | °C                 | -45                      |
| Flash Point, PMCC         | ASTM D93   | °C                 | 200                      |
| Ash, Sulphated            | ASTM D874  | % wt               | 0.74                     |

## Product Performance Claims

ACEA C5, C6

API SQ

ILSAC GF-7

BMW Longlife-17 FE+, Jaguar Land Rover engine oil specification STJLR.03.5006, MB-Approval 229.71/ 229.72, Porsche C20, Volvo VCC C6SP SAE 0W-20, VW 508 00/ 509 00

Meets Chrysler MS-6395, Ford WSS-M2C956-A1/ WSS-M2C972-A1

Warranted by Castrol to be completely suitable for use in vehicles where the following specifications apply: - BMW Longlife-14 FE+

## 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.

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