



Product Data

## Castrol EDGE 0W-20

Stronger for Longer

### Description

Advances in engine technology have led to increased power and efficiency, meaning engines work harder, under more intense pressure and higher temperatures than ever before with longer drain intervals being recommended by vehicle manufacturers. These demanding conditions require the motor oil to be stronger and more resistant to thermal and viscosity breakdown to maintain protection and deliver maximum engine performance.

Castrol EDGE has been engineered to withstand the extreme friction of modern engines and provides 10X better high stress performance than the latest industry standard. Peak engine loads and high operating temperature can break down weaker lubricants, so viscosity control is the ultimate measure of strength for any motor oil. Castrol EDGE has been proven 3X stronger against breakdown than the leading full synthetic, so its shear stable and maintains its initial viscosity over an extended drain cycle of up to 20,000 miles.

### Application

Castrol EDGE 0W-20 is intended for use in automotive gasoline and diesel engines where the manufacturer recommends an API SQ, ILSAC GF-7 or earlier specification 0W-20 lubricant.

Castrol EDGE 0W-20 is licensed and approved for use in GM gasoline vehicles that require a 0W-20 lubricant approved to GM dexos1™ Gen 3 specification. \*\*

\*\* GM dexos1™ Approved Gen 3 : D355BWFJ082

See "Performance Claims" for the full list of approved specifications.

### Advantages

- Protection for 20,000 miles between oil changes<sup>x</sup>
- 3X Stronger than the leading full synthetic\*
- 10X Better high stress performance\*\*
- Also suitable for hybrids (0W grades)
- Improves fuel economy (0W grades)

<sup>x</sup>Up to 25,000 miles or 1 year, whichever comes first

\*In viscosity breakdown as measured in Kurt Orbahn test on 5W-30 grade

\*\*As measured in Sequence IX test vs. API SQ test limits

## Typical Characteristics

| Name                      | Method     | Units              | Castrol EDGE 0W-20 |
|---------------------------|------------|--------------------|--------------------|
| Density @ 15C, Relative   | ASTM D4052 | g/ml               | 0.85               |
| Viscosity, Kinematic 100C | ASTM D445  | mm <sup>2</sup> /s | 8.6                |
| Viscosity, Kinematic 40C  | ASTM D445  | mm <sup>2</sup> /s | 47                 |
| Viscosity Index           | ASTM D2270 | None               | 162                |
| Viscosity, CCS -35C (0W)  | ASTM D5293 | mPa.s (cP)         | 5900               |
| Pour Point                | ASTM D97   | °C                 | -42                |
| Flash Point, PMCC         | ASTM D93   | °C                 | 202                |
| Ash, Sulphated            | ASTM D874  | % w t              | 0.73               |

## Performance

API SQ  
ILSAC GF-7  
GM dexos1™ Gen 3  
Meets Chrysler MS-6395,  
Meets Ford WSS-M2C947-A/ WSS-M2C947-B1/ WSS-M2C962-A1

## Storage

Please store the product in a container out of direct sunlight etc.

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