



Product Data

Castrol EDGE 0W-16

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-16 is intended for use in automotive gasoline engines where the manufacturer recommends an API SQ, ILSAC GF-7B or earlier specification 0W-16 lubricant.

Advantages

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

^xUp to 20,000 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-16
Density @ 15C, Relative	ASTM D4052	g/ml	0.84
Viscosity, Kinematic 100C	ASTM D445	mm²/s	7.9
Viscosity, Kinematic 40C	ASTM D445	mm²/s	34
Viscosity Index	ASTM D2270	None	161
Viscosity, CCS -35C (0W)	ASTM D5293	mPa.s (cP)	4300
Pour Point	ASTM D97	°C	-42
Flash Point, PMCC	ASTM D93	°C	205
Ash, Sulphated	ASTM D874	% w t	0.86

Product Performance Claims

API SQ
ILSAC GF-7B

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 0W-16
26 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

www.castrol.com