

# PRODUCT DATA

## CASTROL EDGE SPORT 0W-40

### PRODUCT DESCRIPTION

**Castrol EDGE Sport 0W-40** is a full synthetic, SAE 0W-40, API SM/CF, ACEA A3/B3/B4/C2/C3 engine oil formulated for modern, high performance engines in both petrol and diesel passenger and light commercial vehicles, naturally aspirated or turbocharged.

**Castrol EDGE Sport 0W-40** has been road and race tested over millions of kilometres under the most diverse and gruelling climatic conditions. The exceptional characteristics of **Castrol EDGE Sport 0W-40** ensure that all engine components, from the valve train to the bearings are fully lubricated to provide ultimate protection and optimum engine performance.

### PRODUCT APPLICATION

**Castrol EDGE Sport 0W-40** provides outstanding wear protection in performance engines designed to run at their optimum level on lower viscosity oils. **Castrol EDGE Sport 0W-40** should be used in engines where maximum efficiency and protection is demanded.

### PRODUCT FEATURES & BENEFITS

- Meets the Extreme Maximum Horsepower (EMP) claim. **Castrol EDGE Sport 0W-40** is extreme tested to deliver maximum horsepower up to 45% longer than other synthetic oils.
- Passes the demanding European Fuel Economy Test M111FE. That means lower engine friction for better performance and/or fuel economy.
- Meets new specs: ACEA C2/C3 recommended for turbo diesel applications especially diesel particulate filters.
- Superior thermal stability ensures no breakdown in formulation and minimal engine deposits for cleaner engine internals and ultimate engine protection.
- Free flowing 0W-40 viscosity significantly reduces friction (viscous drag), helping to deliver more engine power, or can contribute to superior fuel efficiency and reduced emissions.
- Synthetic reserve provides extended drain intervals by resisting thermal and physical degradation **Castrol EDGE Sport 0W-40** meets ACEA A3/B3/B4/C2/C3.
- Helps engines run cooler, contributing to longer engine life.



## PRODUCT FEATURES & BENEFITS ... continued

- Engineered to minimize oil consumption, ensuring maximum potential is available from the oil throughout the service interval.
- Exceptional flow characteristics in low ambient temperatures ensure engine protection from the first moments of ignition, minimizing wear and damage.
- Unique controlled phosphorus and low chlorine additive technology contribute to sustained catalyst performance and oxygen sensor life.
- Excellent light duty diesel engine performance; suits modern direct injection engines including the latest engines with Diesel Particulate Filters.

**Castrol EDGE Sport 0W-40** exceeds many current lubricant performance standards and exceeds the most demanding European, American and Japanese service requirements. **Castrol EDGE Sport 0W-40** is approved by the majority of motor manufacturers that have systematic testing and approval regimes.

## TYPICAL CHARACTERISTICS

SAE Viscosity Grade	KV @ 100 °C (cSt)	KV @ 40°C (cSt)	CCS @ -35 °C (cP)	High Temp. High Shear Viscosity	Pour Point (°C)	Base Number, mgK/H/g
0W-40	13.1	77.5	5,800	3.6	-60	7.7

**Note:** The low friction characteristics of **Castrol EDGE Sport 0W-40** make it unsuitable for most motorcycles that incorporate wet clutches in combined engine and transmission systems. Castrol's prime recommendation for this application is Castrol Power 1 Racing R4.

## PERFORMANCE LEVELS

- American Petroleum Institute (API) Service Classifications: Petrol : SM, (SL, SJ, SH and all superseded classifications):  
 Diesel : CF
- Association of Constructors of European Automobiles (ACEA):
  - A3 (Stay-in-grade, extended drain intervals for high performance petrol engines).
  - B3 (Stay-in-grade for high performance indirect injection diesel engines).
  - B4 (Stay-in-grade for modern high performance direct injection diesel engines).
  - C2 (Fuel efficient stay-in-grade, high performance, catalyst compatible for both petrol and diesel engines including those with DPF\*).



## PERFORMANCE LEVELS ... continued

- C3 (Stay-in-grade high performance, extended drain intervals, catalyst compatible for petrol and diesel engines including those with DPF\*).

\* *DPF = Diesel Particulate Filter*

- BMW Longlife 04.
- Mercedes Benz 229.31, 229.51 approved.
- Porsche approved – all vehicles except Cayenne (V6).
- VW 502.00, 503.01 and 505.00 approved.

## HEALTH, SAFETY & ENVIRONMENT

**Castrol EDGE Sport 0W-40** is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

### Spillage

- Small:** Soak up using an inert mineral absorbent such as Castrol MOP and dispose of in the appropriate manner.
- Large:** Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.
- Disposal:** Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

### Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.
- Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.
- Other Surfaces:** Contact the Castrol Technical Advice Line on 1300 557 998.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol Lubricants (A Business Division of BP Australia Pty Limited - ABN 53 004 085 616)  
 Technical Advice Line: 1300 557 998  
 Customer Service: 1300 554 890

[www.castrol.com.au](http://www.castrol.com.au)

Sydney:	(02) 9795 4800	Fax: (02) 9795 4815
Melbourne:	(03) 9268 4200	Fax: (03) 9268 3915
Brisbane:	(07) 3850 9300	Fax: (07) 3850 9399
Adelaide:	(08) 8304 2200	Fax: (08) 8304 2294
Perth:	(08) 9268 9288	Fax: (08) 9268 9235

EDGE Sport 0W-40 463741 2008 08.doc

