

Product data

Edge 0W-40

Product Description

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

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

Product Features & Benefits

- 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 0W-40** meets ACEA A3/B3/B4 and is closely related to SLX Longtec, (MB 229.5).
- Helps engines run cooler, contributing to longer engine life.

- 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 indirect injection engines designed for lower viscosity oils.

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

Typical Characteristics

SAE Rating	KV @ 100°C, cSt	KV @ 40°C, cSt	CCS @ - 35°C, cP	High Temp High Shear Viscosity	Pour Point °C	Base Number, mgKOH/g
0W-40	13.5	79.3	5,800	3.7	-54	10.2

Note:

The low friction characteristics of **Castrol Edge 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 R4 Superbike.

Performance Levels

Castrol Edge 0W-40 surpasses a wide range of specifications and has numerous manufacturer approvals and suitable where the following requirements are called for:

- 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).
- BMW Longlife 01.
- Mercedes Benz 229.3 approved.
- VW 502.00, 503.01 and 505.00 approved.

Health, Safety & Environment

Castrol Edge 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 adsorbent such as Castrol Diatomaceous Earth 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 your local Special Products Division in each State Office.

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.

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