



Product Data

## Castrol CRB Turbomax 15W-40 CK-4/E11

For long and healthy engine life

### Description

Castrol CRB Turbomax 15W-40 CK-4/E11 is an advanced synthetic technology heavy duty diesel engine oil that is specifically engineered to deliver long and healthy engine life.

### Application

Castrol CRB Turbomax 15W-40 CK-4/E11 is suitable for use in high speed 4-stroke diesel engines that use a broad range of fuel qualities. It is also compatible with diesel engines fitted with exhaust gas recirculation (EGR) systems.

### Advantages

Trucks work hard in tough conditions and irrespective of the truck you own, new or old, the engine in your truck is always under threat. There is a destructive cycle in the engine that can damage critical parts. Heat, deposits, and wear; 3 threats linked together, an increase in one can increase all and over time could lead to severe engine damage.

Increased heat in the engine can cause oil to break down and result in an increase of oil thickening and deposit formation; this accumulation of deposits in the oil or on metal surfaces can lead to abrasive or corrosive wear in engine. This abrasive wear increases friction and heat within the engine and the destructive cycle is formed.

**Castrol CRB Turbomax 15W-40 CK-4/E11 with Durashield™ Technology helps break the destructive cycle of heat, deposits and wear, exceeding industry requirements by 50%\* - giving your engine 3X protection\*\***

\*based on engine performance test results vs Industry requirements.

\*\*3X refers to protection against 3 elements – heat, deposits and wear.



## Typical Characteristics

Name	Method	Units	CRB Turbomax 15W-40 CK-4/E11
Density @ 15C	ASTM D4052	g/ml	0.876
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	14.5
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	112
Viscosity Index	ASTM D2270	None	133
Viscosity, CCS -20C (15W)	ASTM D5293	mPa.s (cP)	6550
Pour Point	ASTM D97	°C	-42
Total Base Number, TBN	ASTM D2896	mg KOH/g	9.5
Flash Point, COC	ASTM D92	°C	250
Ash, Sulphated	ASTM D874	% w t	1.0

## Performance

ACEA E11  
API CK-4  
JASO DH-2  
CAT ECF-3  
Cummins CES 20086  
DDC DFS 93K222  
Deutz DQC II-18 LA  
DTFR 15C100  
Meets Ford WSS-M2C171-F1  
Mack EOS-4.5  
MAN M 3775  
MTU Oil Category 2.1  
RVI RLD-3  
Volvo VDS-4.5

## 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 CRB Turbomax 15W-40 CK-4/E11  
12 Feb 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](http://www.castrol.com)