



Product Data

## Vecton 15W-40 CK-4/E9

For longer useful oil life

### Description

Castrol VECTON® 15W-40 CK-4/E9 is an advanced heavy duty diesel engine oil, specifically engineered with synthetic technology to deliver longer useful oil life. It is suitable for use in high speed 4-stroke diesel engines with diesel fuels of up to 500ppm sulphur and is compatible with diesel engines fitted with exhaust gas recirculation (EGR) systems. It is also compatible with the latest exhaust after treatment systems such as DPF, DOC and/or SCR when diesel sulphur is limited to 15ppm max.

### Advantages

Castrol VECTON with System Pro Technology™ delivers up to 45% extra performance reserve\* for longer useful oil life, giving you confidence in your maximum drain interval.

Modern trucks use new technologies to make as much as 30% higher torque, but that also brings higher engine temperatures and pressures. This punishes the oil, pushing it closer to breakdown, reducing its useful life. Castrol VECTON's System Pro Technology™ formulated with extra performance reserve fights oil breakdown by:

1. Controlling oxidation and deposits
2. Neutralizing harmful acids
3. Maintaining viscosity.

System Pro Technology™ also adapts to increased temperatures resisting viscosity loss through thermal and mechanical shear. All of this means longer useful oil life giving you the confidence in your maximum drain interval.

\*Compared to API and ACEA industry requirements and based on tests conducted on 81% of the Castrol VECTON range by volume using 12 months sales up to March 2017.

### Typical Characteristics

Name	Method	Units	Vecton 15W-40 CK-4/E9
Density @ 15C	ASTM D4052	g/ml	0.875
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	15.1
Viscosity, CCS -20C (15W)	ASTM D5293	mPa.s (cP)	6500
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	114
Viscosity Index	ASTM D2270	None	138
Ash, Sulphated	ASTM D874	% w t	1.0
Total Base Number, TBN	ASTM D2896	mg KOH/g	9.8
Pour Point	ASTM D97	°C	-42
Flash Point, PMCC	ASTM D93	°C	200

## Product Performance Claims

ACEA E9, E11  
API CK-4  
JASO DH-2  
CAT ECF-3  
Cummins CES 20086  
DDC DFS 93K222  
Deutz DQC III-18 LA  
DTFR 15C100 (MB 228.31)  
Mack EOS-4.5  
MAN M 3775  
MTU Oil Category 2.1  
RVI RLD-3  
Volvo VDS-4.5  
Meets Ford WSS-M2C171-F1

## Additional Information

Castrol Vecton 15W-40 CK-4/E9 is also suitable for use where older specifications are recommended that are backwards compatible from the latest specs and approvals held by this product. This includes API CJ-4, CI-4, CH-4, CG-4, CF-4, Cat ECF-2, ECF-1a, Deutz DQC III-10-LA, Mack EON Premium Plus, RVI RLD-2, Volvo VDS-3

## 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.

Vecton 15W-40 CK-4/E9  
17 Sep 2024

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. Material 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)