



Product Data

## Vecton Long Drain 5W-30 E7

### Description

Castrol Vecton Long Drain 5W-30 E7 is an advanced synthetic technology heavy duty diesel engine oil that is specifically engineered to deliver longer useful oil life. It is suitable for use in highly rated diesel engines meeting Euro I to Euro V emission requirements. It is suitable for engines without particulate filters, for some EGR engines and some engines fitted with SCR NOx reduction systems.

### Advantages

Castrol VECTON Long Drain 5W-30 E7 with System Pro Technology™ is specifically engineered and tested for extended drains up to 120,000 km\*. Castrol Vecton Long Drain products deliver up to 45% extra performance reserve\*\* that fights oil breakdown and also adapts to higher temperatures 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 means higher engine temperatures and pressures. This punishes the oil, pushing it closer to breakdown, and reducing its useful life and ability to extend drains. Castrol Vecton Long Drain 5W-30 E7's System Pro Technology™ has been proven in field testing to safely extend drain intervals. Formulated with up to 45% extra performance reserve, System Pro technology fights oil breakdown by

1. combating oxidation and deposits
2. neutralizing harmful acids
3. controlling oil aeration
4. adapting to increased temperatures, resisting viscosity loss through shear.

All of this means longer useful oil life giving you the confidence in your maximum drain interval.

\* is approved by MAN for oil drain up to 120,000km, in accordance with their specifications. Actual oil drain depends on engine type, operating conditions, service history, OBD and fuel quality. Always consult your manufacturer's handbook.

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

## Typical Characteristics

Name	Method	Units	Vecton Long Drain 5W-30 E7
Density @ 15C	ASTM D4052	g/ml	0.838
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	12.4
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	72
Viscosity Index	ASTM D2270	None	164
Pour Point	ASTM D97	°C	-51
Total Base Number, TBN	ASTM D2896	mg KOH/g	15.4
Viscosity, CCS -30C (5W)	ASTM D5293	mPa.s (cP)	6200
Ash, Sulphated	ASTM D874	% wt	1.7

## Performance

ACEA E4, E7  
Cummins CES 20077  
Deutz DQC IV-18  
DTFR15B120 (MB 228.5)  
Mack EO-N  
MAN M 3277  
MTU Oil Category 3  
RVI RLD-2  
Scania LDF-3  
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 Long Drain 5W-30 E7

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)