



Product Data

## Vecton Long Drain 5W-30 E6/E9

For longer useful oil life

### Description

Castrol VECTON® Long Drain 5W-30 E6/E9 is an advanced full synthetic heavy duty diesel engine oil that is specifically engineered to deliver longer useful oil life and additional fuel savings\*. It is suitable for highly rated diesel engines meeting Euro I to Euro VI emission requirements. It is suitable for engines with or without particulate filters, and for most EGR engines and for most engines fitted with SCR NOx reduction systems. It is strongly recommended for engines fitted with particulate filters and is designed for use in combination with low sulphur diesel fuel.

### Advantages

Castrol VECTON Long Drain 5W-30 E6/E9 with System Pro Technology™ is tested for extended drains up to 120,000 km\*\*. Utilizing System Pro Technology™, Castrol VECTON Long Drain 5W-30 E6/E9 delivers up to 45% extra performance reserve\*\*\* giving you confidence in your maximum drain interval.

Modern trucks use new technologies to make as much as 30% higher torque, but this 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 and allows additional fuel savings\*. Formulated with up to 45% extra performance reserve\*\*\*, System Pro technology fights oil breakdown by:

- combating oxidation and deposits
- neutralizing harmful acids
- controlling oil aeration
- 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.

\* When compared to conventional 15W40s in laboratory engine testing.

\*\* is approved by MAN and Scania for up to 120,000 km and Mercedes Benz, Volvo, and Renault for up to 100,000 km 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 E6/E9 |
|---------------------------|------------|--------------------|-------------------------------|
| Density @ 15C             | ASTM D4052 | g/ml               | 0.857                         |
| Viscosity, Kinematic 100C | ASTM D445  | mm <sup>2</sup> /s | 12.1                          |
| Viscosity, CCS -30C (5W)  | ASTM D5293 | mPa.s (cP)         | 5950                          |
| Viscosity, Kinematic 40C  | ASTM D445  | mm <sup>2</sup> /s | 73                            |
| Viscosity Index           | ASTM D2270 | None               | 162                           |
| Ash, Sulphated            | ASTM D874  | % wt               | 1.0                           |
| Total Base Number, TBN    | ASTM D2896 | mg KOH/g           | 9.8                           |
| Pour Point                | ASTM D97   | °C                 | -45                           |
| Flash Point, PMCC         | ASTM D93   | °C                 | 207                           |

## Product Performance Claims

ACEA E11, E6, E8, E9

API CK-4

JASO DH-2

CAT ECF-3

Cummins CES 20086

DDC DFS 93K222

Deutz DQC IV-18 LA

DTFR 15C110 (MB 228.51)

Mack EOS-4.5

MAN M 3677, M 3775

MTU Oil Category 3.1

RVI RLD-3

Scania LDF-4

Volvo CNG, VDS-4.5

Meets Ford WSS-M2C213-A1

Meets requirements of DTFR 15C100 (MB 228.31), DTFR 15C120 (MB 228.52)

Meets requirements of MAN M 3271-1, M 3477

Meets DAF Extended Drain

For Iveco trucks requiring ACEA E6, E7, E9

## 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.

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