



Product Data Sheet

## Vecton Long Drain 10W-40 E6/E9

For longer useful oil life

### Description

Castrol VECTON® Long Drain 10W-40 E6/E9 is an advanced synthetic heavy duty diesel engine oil that is specifically engineered to deliver longer useful oil life. 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 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\*\* giving you confidence in your maximum drain interval.

All Castrol VECTON products are certified CO2 neutral according to the highest global standards.

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'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              | Castrol Vecton Long Drain 10W-40 E6/E9 |
|---------------------------|------------|--------------------|--|
| Density @ 15C             | ASTM D4052 | g/ml               | 0.860                                  |
| Viscosity, Kinematic 100C | ASTM D445  | mm <sup>2</sup> /s | 14.2                                   |
| Viscosity, Kinematic 40C  | ASTM D445  | mm <sup>2</sup> /s | 99                                     |
| Viscosity Index           | ASTM D2270 | None               | 138                                    |
| Ash, Sulphated            | ASTM D874  | % wt               | 1.0                                    |
| Total Base Number, TBN    | ASTM D2896 | mg KOH/g           | 10                                     |
| Pour Point                | ASTM D97   | °C                 | -39                                    |
| Viscosity, CCS -25C       | ASTM D5293 | mPa.s (cP)         | 6100                                   |

## Product Performance Claims

ACEA E6, E7, E8, E9, E11

API CJ-4

JASO DH-2

CAT ECF-3

Cummins CES 20081

Deutz DQC IV-18 LA

DTFR15C110 (MB 228.51)

Mack EO-O Premium Plus, EOS-4.5

MTU Oil Category 3.1

RVI RLD-3

Volvo CNG VDS-4 VDS-4.5

Meets requirements of MAN M 3271-1, M 3477

For Iveco trucks requiring ACEA E6, E7 and E9

Meets DAF Euro VI requirements

## 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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