

# PRODUCT DATA

## DIESEL X

### PRODUCT DESCRIPTION

**Castrol Diesel X** is a mid ash, multigrade, heavy duty diesel engine oil, which meets all the performance requirements of the American Petroleum Institute (API) CI-4 specification.

**Castrol Diesel X** is suitable for use in US engine technology pre ADR 80/02 such as Cummins, Mack, Caterpillar and Detroit Diesel (4-cycle) heavy duty diesel engines. It may also be used wherever an SAE 15W-40 multigrade engine oil is required for high performance turbocharged and naturally aspirated diesel engines.

### PRODUCT APPLICATION

Recommended for diesel engine heavy duty plant, highway and off-road operations and may also be used for mixed fleets. **Castrol Diesel X** is also suitable for diesel 4WD and light commercial vehicle diesel engine application.

### PRODUCT FEATURES & BENEFITS

#### Features

- Excellent soot handling performance.
- Exhibits good oil consumption.
- Engine cleanliness, oxidation stability, wear control.
- Product rationalisation.

#### Benefits

- Reduced soot related engine wear.
- Better oil fluidity with high soot loads.
- Reduced oil top-up.
- Reduced maintenance and operating costs, minimal costly downtime, longer equipment life possible.
- Reduced lubricant inventory control.



## TYPICAL CHARACTERISTICS

SAE Grade	KV @ 40 P <sup>OP</sup> C (cSt)	KV @ 100 P <sup>OP</sup> C (cSt)	CCS @ -20 P <sup>OP</sup> C (cP)	Viscosity Index	Pour Point (P <sup>OP</sup> C)	Closed Flash Point (P <sup>OP</sup> C)	Total Base Number	API Service Rating
15W-40	110	14.6	6700	136	-36	225	9.2	CI-4/SL

The above data is typical and does not constitute a specification.

## PERFORMANCE LEVELS

Castrol Diesel X exceeds the following performance specifications;

API Service Classification	Diesel: CI-4, CH-4, CG-4, CF-4, CE, CD, CC Petrol: SL
Mack:	EO-M Plus
Cummins:	20071, 20072, 20076, 20077, 20078
Caterpillar:	ECF-2

## Transmission

Allison: Type C4                      Frictional characteristics, cleanliness

**NB:** Allison Transmission no longer approve Allison C4 fluids for commercial on-highway use.

## Note:

1. Detroit Diesel currently do not recommend multigrade engine oils for their 2-cycle engines. These engines operate best on a monograde lubricant with 0.8% sulphated ash. Castrol recommends **Castrol Tecton Monograde DD40** or **Castrol Tecton Monograde DD50** (depending on coolant outlet temperature).
2. For European heavy duty diesel engines without diesel particulate filters, **Castrol Tecton HD** is our prime recommendation.
3. For emission controlled engines with diesel particulate filters, **Castrol Tecton Global ES**, **Enduron Low SAPS** or **Hypuron** are recommended.
4. For gas/LPG engines **Castrol Maxigas** or **Castrol Tecton Gas** are our prime recommendations.



## HEALTH, SAFETY & ENVIRONMENT

**Castrol Diesel X** is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

### Spillage

- Small:** Soak up using an inert mineral adsorbent such as Castrol MOP S and dispose of in the appropriate manner.
- Large:** Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.
- Disposal:** Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

### Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.
- Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.
- Other Surfaces:** Contact the Castrol Technical Advice Line on 1300 557 998.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol Lubricants (A Business Division of BP Australia Pty Limited - ABN 53 004 085 616)  
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