

## **Tection Extra 15W-40**

Protection for latest technology US trucks & equipment

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### **Applications**

Castrol Tection Extra is a 15W40 heavy duty diesel engine oil designed to provide superior performance and protection for the latest technology US 2007 compliant EGR engines, including those equipped with Diesel Particulate Filter exhaust after-treatment devices. Its primary application is for US trucks, buses and equipment, including both EGR and non-EGR engines.

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### **Features / Benefits**

Castrol Tection Extra's special low ash formulation has been developed to provide excellent performance and protection for diesel engines.

User benefits include:

· Superior soot handling capability. EGR engines can produce higher levels of soot in the oil, which could lead to blocked filters and resulting engine damage. Tection Extra's excellent dispersancy ensures that the soot is evenly dispersed to prevent engine harm.

Maximum engine protection. Tection Extra's formulation ensures complete engine protection: the low ash additives minimize deposits, and the special viscosity controlling technology ensures that the oil continues to protect against wear throughout the oil drain interval, even under severe operating conditions

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### **Specifications / Performance**

- SAE 15W40
  - API CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF, SM
  - Caterpillar ECF-3, ECF-2, ECF-1-a
  - Cummins CES 20081
  - Mack EO-O Premium Plus
  - Volvo VDS-4
  - Detroit Diesel Power Guard 93K218
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### **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 the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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## Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

Castrol International will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local Castrol office.

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## Typical Characteristics

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Test Method	Units	Value
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SAE 15W-40

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Test	Method(s)	Unit	Typical
Flash Point, COC	ASTM D92	°C	232
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	14.2
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	114.0
Viscosity Index	ASTM D2270	None	136
Viscosity, CCS -20C (15W)	ASTM D5293	cP	6800
Ash, Sulphated	ASTM D874	% wt	0.97
Total Base Number, TBN	ASTM D2896	mg KOH/g	10
Pour Point	ASTM D97	°C	-42

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

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