

# E7 CI-4 15W-40

## High-performance heavy-duty diesel engine oil

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Product code: F1005

### Application

A multigrade motor oil for heavy-duty diesel engines. It is formulated for dependable lubrication under high thermal and mechanical loads and for year-round use where the listed viscosity grade and performance levels are required.

### Features and benefits

- Outstanding detergent and dispersant properties
- Excellent cold-start behaviour and strong oil-film retention
- High shear stability and wear resistance
- Helps keep charge-air coolers clean
- Low residue formation

### Specifications and performance levels

The product label lists the following specifications and performance levels. This TDS does not independently assert formal OEM approvals.

|                                   |                           |
|-----------------------------------|---------------------------|
| ACEA E7 / A3 / B4                 | API CI-4 / SL / CF        |
| Caterpillar ECF-1a / ECF-2        | JASO DHD-1                |
| DDC 93K215                        | Cummins CES 20071 / 20072 |
| Cummins CES 20076 / 20077 / 20078 | Mack EO-M / EO-N          |
| Renault RLD / RLD-2               | Scania LDF / LDF-2        |
| MAN M 3275-1                      | Volvo VDS-3               |
| MTU Type 2                        |                           |

### Typical technical characteristics

| Property                     | Unit               | Typical value |
|------------------------------|--------------------|---------------|
| Kinematic viscosity at 40 C  | mm <sup>2</sup> /s | 123.5         |
| Kinematic viscosity at 100 C | mm <sup>2</sup> /s | 15.2          |
| Viscosity index              | -                  | 128           |
| Flash point, open cup        | C                  | 228           |
| Pour point                   | C                  | -32           |

The values quoted are typical of normal production. They do not constitute a specification. Typical values may vary within customary commercial tolerances.