

## Q8 Formula Truck 7000 15W-40

Synthetic ACEA E9 and API CK-4 heavy-duty engine oil

### Description

Q8 Formula Truck 7000 15W-40 is a superior low SAPS heavy-duty engine oil. This product provides exceptional wear and corrosion protection for all engine parts and prevents combustion soot. Prolonged drain intervals can be applied. It is developed for bio-fuel compatibility and meets the ACEA E9 and API CK-4 specifications.

### Applications

Q8 Formula Truck 7000 15W-40 is designed for on- and off-highway heavy-duty vehicles requiring a low SAPS engine oil. It can be used in Euro IV, Euro V and Euro VI diesel engines with aftertreatment systems. Extended drain intervals can be applied. It is designed for Volvo VDS-4.5 and meets the ACEA E9 and API CK-4 specifications. Q8 Formula Truck 7000 15W-40 may be used where Volvo VDS-5 is prescribed though change interval must be adjusted accordingly and no VDS-5 fuel economy benefits are available. Please note Q8 Formula Truck 7000 15W-40 is not VDS-5 approved.

### Benefits

- Outstanding combustion chamber cleanliness due to low sulphated ash level.
- Superior protection against engine wear.
- Superior protection against piston rings deposits.
- Exceptional engine protection after cold start.
- Exceptional diesel particulate filter (DPF/CRT) plugging minimalisation.

### Specifications, recommendations and approvals

|                       |                  |                  |                 |
|-----------------------|------------------|------------------|-----------------|
| <b>ACEA</b>           | E9               | <b>Isuzu</b>     |                 |
| <b>API</b>            | <b>CK-4</b>      | <b>JASO</b>      | DH-2            |
| <b>Allison</b>        | TES-439          | <b>MAN</b>       | M 3575          |
| <b>Caterpillar</b>    | ECF-2            | <b>MAN</b>       | M 3775          |
| <b>Caterpillar</b>    | ECF-3            | <b>MB</b>        | <b>228.31</b>   |
| <b>Cummins</b>        | <b>CES 20086</b> | <b>MTU</b>       | Type 2.1        |
| <b>Detroit Diesel</b> | 93K218           | <b>Mack</b>      | <b>EO-S 4.5</b> |
| <b>Detroit Diesel</b> | 93K222           | <b>Renault</b>   | <b>RLD-3</b>    |
| <b>Deutz</b>          | DQC III-10 LA    | <b>Tata</b>      |                 |
| <b>Deutz</b>          | DQC III-18 LA    | <b>UD Trucks</b> |                 |
| <b>Ford</b>           | M2C 171-F1       | <b>Volvo</b>     | <b>VDS-4.5</b>  |
| <b>Hino</b>           |                  |                  |                 |

Color code blue = officially approved

### Properties

|                                | Method | Unit               | Typical    |
|--------------------------------|--------|--------------------|------------|
| Density, 15 °C                 | D 4052 | g/ml               | 0,874      |
| Viscosity Grade                | -      | -                  | SAE 15W-40 |
| Kinematic Viscosity, 40 °C     | D 445  | mm <sup>2</sup> /s | 113        |
| Kinematic Viscosity, 100 °C    | D 445  | mm <sup>2</sup> /s | 15.0       |
| Viscosity Index                | D 2270 | -                  | 139        |
| Total Base Number              | D 2896 | mg KOH/g           | 10         |
| Pour Point                     | D 97   | °C                 | -30        |
| Flash Point, COC               | D 92   | °C                 | 226        |
| Sulfated Ash                   | D 874  | % mass             | 1.0        |
| Borderline Pumping Temperature | D 3829 | °C                 | -28        |

The figures above are not a specification. They are typical figures obtained within production tolerances.