Product Data Sheet

**Eurotec™ HDEO Low-SAPS**

Engine oil

**Product description**

Eurotec™ HDEO 10W-40 Low-SAPS is a top-quality engine oil designed with German engineering expertise that delivers high-performance characteristics to be used in diesel engines found in both light and heavy commercial vehicles, regardless of the presence of a turbocharger. Composed of carefully chosen base oils and a sophisticated additive system, it guarantees exceptional flow and lubrication properties, complying with the stringent Euro-IV and Euro-V emission standards.

**Application**

**Features & Benefits**

• Exceptional oxidation stability  
• Outstanding detergent and dispersant properties  
• Fuel-efficient operation  
• Superb cold start performance  
• Excellent viscosity-temperature behavior  
• Compatible with sealants  
• High-level wear protection

**Typical Properties**

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Unit** | **Test method** | **Typical value** |
| Density at 15°C | g/cm3 | ASTM D4052 |  |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D445 |  |
| Kinematic Viscosity at 100°C | mm2/s | ASTM D445 |  |
| Viscosity Index | - | ASTM D2270 |  |
| TBN (HclO4) | mg KOH /g | ASTM D2896 |  |
| Sulfated Ash | % | ASTM D874 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil™ specifications, variations in these characteristics may occur.

**Performance claims**

• API CI-4  
• ACEA E6/E7/ E9/E11  
• MB-228.51  
• MAN M3477/M3271-1  
• Volvo VDS-3  
• Renault trucks RLD 2/RXD/RGD  
• MTU Type 3.1  
• Mack EO-N  
• Deutz DQC IV 18 LA/DQC TTCD  
• DAF extended drain  
• Cummins CES 20076/20077  
• JASO DH-2  
• Caterpillar ECF 1a  
• Iveco 18 1804 TLS E6

**Health, Safety & Environment**

* **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.euroteclube.com](http://www.euroteclube.com)

* **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**Available pack sizes**

* 1 L Canister plastic
* 4 L Canister plastic
* 5 L Canister plastic
* 7 L Canister plastic
* 20 L Canister plastic
* 30 L Canister plastic
* 200 L Drum sheet metal
* 1000 L Container

**Storage**

* We recommend to store all packages 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.

**Notes**

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