Product Data Sheet

**Tomoil™ 10W-30 CK-4/CJ-4**

Engine oil

**Product description**

Tomoil™ 10W-30 CK-4/CJ-4, stands as a first-rate diesel engine lubricant focused on boosting engine lifespan and facilitating prolonged drain intervals, developed by German technology, This oil is perfectly tailored for modern diesel engines, even those operating in demanding environments. It's adept for a spectrum of robust applications, both on-road and off-road, especially engines that undergo significant stress.

**Application**

**Features & Benefits**

• Exceptional oxidation resistance  
• Outstanding soot and viscosity management  
• Low-temperature fluidity and pumpability  
• Resilience against corrosive and abrasive wear  
• Superior performance in severe conditions  
• Tailored for seamless cold-weather starts  
• Extended emissions aftertreatment system life

**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 CK-4/CJ-4  
• ACEA E6, E7, E9  
• MB - 228.31/228.51  
• Deutz DQC IV- 18 LA  
• Volvo VDS - 4.5  
• Mack EOS - 4.5  
• Renault Trucks RLD-3

**ALCO LLC recommends this product for vehicles with the following specifications:**

• Chrysler MS-10902  
• Cummins CES 20081  
• Cummins CES 20086  
• Caterpillar ECF-3  
• Detroit Diesel DFS 93K222  
• Deutz DQC III-10 LA  
• MTU Typ 3.1

**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.tomoil.de](http://www.tomoil.de)

* **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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