Product Data Sheet

**Tomoil™ 5W-30 CK-4/SN**

Engine oil

**Product description**

Tomoil™ 5W-30 CK-4/SN , created with German engineering insights, is a multifaceted year-round heavy-duty diesel motor lubricant. It seamlessly integrates superior engine defense, especially for vehicles with reduced emissions, while also offering potential enhancements in fuel efficiency. It's adeptly suited for various diesel-driven commercial machineries used in both on-road and off-road settings, spanning sectors like transit, mining, infrastructure, and farming.

**Application**

**Features & Benefits**

• Extended oil drain intervals for modern heavy-duty engines  
• Enhanced wear protection compared to previous-generation oils  
• Prolonged life of exhaust aftertreatment systems  
• Maximum thermal stability and oxidation resistance  
• Engine safeguarding against sludge and detrimental deposits  
• Smooth cold starts in low-temperature conditions  
• Reduced oil consumption via combustion

**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/SN  
• ACEA E6, E7, E9  
• Deutz DQC IV-18 LA  
• MB-228.31/228.51  
• Volvo VDS - 4.5  
• Mack EOS - 4.5  
• Renault Trucks RLD-3  
• MAN M 3677

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

• Caterpillar ECF-3  
• Cummins CES 20086  
• Detroit Diesel DFS 93K222  
• JASO DH-2  
• Mack EO-O Premium Plus  
• MTU Typ 3.1  
• Renault Trucks RGD  
• Scania Low Ash  
• Volvo CNG  
• Volvo VDS-4

**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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