

Product Data Sheet

Tomoil™ Engine Oil 5W-30 CK-4

Engine oil

Product description

Tomoil™ Engine Oil 5W-30 CK-4 represents a versatile and year-round heavy-duty diesel engine lubricant, seamlessly integrating excellent engine protection, particularly for low-emission vehicles, with the potential for heightened fuel efficiency. It is apt for diverse commercial machinery powered by diesel, utilized in various on-road and off-road applications, across industries such as transportation, mining, infrastructure, and agriculture.

Application

Tomoil™ Engine Oil 5W-30 CK-4 can be used in naturally aspirated and turbocharged heavy duty diesel engines, both in mobile and stationary equipment, where the API CK-4 service category and SAE 5W-30 viscosity grade are specified.

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
Kinematic Viscosity at 100°C	cst	ASTM D 445	11.00
Kinematic Viscosity at 40°C	cst	ASTM D 445	65.95
Viscosity Index	-	ASTM D 2270	160
Flash Point, COC	°C	ASTM D 92	220
Pour Point	°C	ASTM D 7346	-39
TBN	mg KOH/g	ASTM D 2896	9.8
Sulphated Ash Content	%	ASTM D 874	1.00
Density at 15°C	g/ml	ASTM D 4052	0.852
CCS at -30°C	cP	ASTM D5293	5100

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 3677/3691/3775

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

- **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 | • 7 L Canister plastic |
| • 4 L Canister plastic | • 20 L Canister plastic |
| • 5 L Canister plastic | • 30 L Canister plastic |
| • 6 L Canister plastic | • 60 L Drum sheet metal |

- 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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