

Product Data Sheet

Tomoil™ Engine Oil 10W-40 CK-4

Engine oil

Product description

Tomoil™ Engine Oil 10W-40 CK-4 represents a cutting-edge low-friction heavy-duty diesel engine oil meticulously developed to enhance engine endurance and extend intervals between drainages. Specifically designed for diesel engines in commercial vehicles adhering to Euro IV, V, and VI emission standards, along with those equipped with exhaust treatment systems and soot particle filtration (DPF/CRT), it also showcases suitability for gas-powered vehicles, including CNG and LPG.

Application

Tomoil™ Engine Oil 10W-40 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 10W-40 viscosity grade are specified.

Features & Benefits

- Effective control of soot-related oil thickening
- High TBN retention for longer drain intervals
- Resistant to oil consumption, oxidation, corrosion, and wear
- Exceptional aeration control
- Strong shear stability
- Improved oxidation stability

Typical Properties

Property	Unit	Test method	Typical value
Kinematic Viscosity at 100°C	cst	ASTM D 445	14.80
Kinematic Viscosity at 40°C	cst	ASTM D 445	94.75
Viscosity Index	-	ASTM D 2270	164
Flash Point, COC	°C	ASTM D 92	228
Pour Point	°C	ASTM D 7346	-33
TBN	mg KOH/g	ASTM D 2896	8.2
Sulphated Ash Content	%	ASTM D 874	1.08
Density at 15°C	g/ml	ASTM D 4052	0.860
CCS at -25°C	cP	ASTM D 5293	4850

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

Performance claims

- API CK-4/SN
- ACEA E6/E7/E9
- MAN M3775
- Deutz DQC IV-18 LA
- Volvo VDS - 4.5
- Mack EOS - 4.5
- Renault Trucks RLD-3
- Cummins CES 20086
- CAT ECF3
- MB 228.31/228.51/228.52

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

- Chrysler MS-10902
- Cummins CES 20081
- 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

• 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 | • 20 L Canister plastic |
| • 4 L Canister plastic | • 30 L Canister plastic |
| • 5 L Canister plastic | • 60 L Drum sheet metal |
| • 6 L Canister plastic | • 200 L Drum sheet metal |
| • 7 L Canister plastic | • 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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