

Product Data Sheet

Tomoil™ Engine Oil 15W-40 CK-4

Engine oil

Product description

Tomoil™ Engine Oil 15W-40 CK-4 represents a top-tier diesel engine oil, developed with high-quality base stocks and a carefully calibrated additive blend. Its design ensures smooth adaptability with exhaust aftertreatment systems, including diesel particulate filters (DPFs), diesel oxidation catalysts (DOCs), and selective catalytic reduction (SCR).

Application

Tomoil™ Engine Oil 15W-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 15W-40 viscosity grade are specified.

Features & Benefits

- Exceptional soot dispersancy and wear control
- Improved thermal stability and oxidation resistance
- Prolonged life of exhaust aftertreatment systems
- Effective protection of engine parts from all types of corrosion
- Reduced foaming and efficient resistance to aeration
- Excellent viscosity-temperature behavior
- Seal-friendly formulation

Typical Properties

Property	Unit	Test method	Typical value
Kinematic Viscosity at 100°C	cst	ASTM D 445	15.00
Kinematic Viscosity at 40°C	cst	ASTM D 445	98.75
Viscosity Index	-	ASTM D 2270	160
Flash Point, COC	°C	ASTM D 92	234
Pour Point	°C	ASTM D 7346	-30
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	0.865
CCS at -20°C	cP	ASTM D 5293	6200

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 E9
- MB-228.31
- MAN M3775
- Volvo VDS-4.5
- Mack EOS-4.5
- Renault Trucks RLD-4
- Cummins CES 20086
- Caterpillar ECF-3
- Detroit Diesel DDC 93K222
- Deutz DQC III-18LA

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

- MB 228.3
- Ford WSS-M2C171-F1
- MTU Type 2.1
- Deutz DQC III-10 LA
- JASO DH-2
- IVECO: T2 E7

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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