

Product Data Sheet

Tomoil™ Engine Oil 10W-30 CI-4/SL

Engine oil

Product description

Tomoil™ Engine Oil 10W-30 CI-4/SL stands out as an advanced heavy-duty diesel engine oil engineered to enhance engine longevity and facilitate longer periods between oil changes. Tailored for use in modern diesel engines under challenging conditions, its advanced formula ensures top-notch performance in both contemporary, strict low-emission diesel engines and their older counterparts, regardless of the sulfur content in the fuel.

Application

Tomoil™ Engine Oil 10W-30 CI-4/SL is recommended for use in modern four-stroke diesel engines of heavy duties under severe conditions, including vehicles equipped with EGR and SCR NOx reduction systems (not suitable for Diesel Particulate Filters). It fulfills the requirements of the EU Euro I/II/III/IV/V emission standards.

Features & Benefits

- Extended service intervals and long-drain oil refreshment periods
- High thermal and oxidation stability
- Low volatility, excellent wear and bore polish control
- Easy cold start-up
- Advanced detergent/dispersant properties
- Outstanding engine cleanliness

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	71.15
Viscosity Index	-	ASTM D 2270	146
Flash Point, COC	°C	ASTM D 92	224
Pour Point	°C	ASTM D 7346	-33
TBN	mg KOH/g	ASTM D 2896	10.1
Sulphated Ash Content	%	ASTM D 874	1.43
Density at 15°C	g/ml	ASTM D 4052	0.865
CCS at -25°C	cP	ASTM D5293	5700

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 CI-4/SL
- ACEA E7
- JASO DH-1
- Global DHD-1
- MB 228.3
- MTU Type 2
- Volvo VDS 3
- Mack EO-N
- Renault RLD-2
- DDC 93K215
- Cummins CES 20077/20078
- Deutz DQC III-18
- MAN 3275-1
- CAT ECF 1a

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

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.