

# Product Data Sheet

## Tomoil™ Engine Oil 15W-40 CF-4/SG

Engine oil

### Product description

Tomoil™ Engine Oil 15W-40 CF-4/SG represents a superior-grade motor oil designed to ensure the protection of both naturally aspirated and turbocharged diesel engines under various service conditions. It complies with the criteria of the API CF-4, CF, and SG performance categories.

### Application

- Wide range of turbocharged and non-turbocharged diesel engines requiring API CF-4, CF as well as SG performances, and meeting Euro 2 emission standard
- On-highway heavy-duty trucks, buses including mixed fleets with gasoline engines
- Off-highway applications including agriculture, mining, construction, quarrying vehicles

### Features & Benefits

- Improved protection against corrosion, and deposits
- Exceptional engine cleanliness and reduced sludge formation
- Excellent viscosity control and engine protection in high-temperature operations
- Superior cold-start performance and wear protection during low-temperature operations
- Outstanding piston and ring seal protection
- Compatible with most engine seals and gaskets

### 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  | 113.3         |
| Viscosity Index              | -        | ASTM D 2270 | 138           |
| Flash Point, COC             | °C       | ASTM D 92   | 228           |
| Pour Point                   | °C       | ASTM D 7346 | -30           |
| TBN                          | mg KOH/g | ASTM D 2896 | 10.1          |
| Sulphated Ash Content        | %        | ASTM D 874  | 1.50          |
| Density at 15°C              | g/ml     | ASTM D 4052 | 0.884         |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil<sup>TM</sup> specifications, variations in these characteristics may occur.

## Performance claims

- API CF-4/SG

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

- ACEA E2
- MAN 270
- Allison C-4
- MB 228.1
- Caterpillar TO-2
- Volvo VDS
- Mack EO-K2

## 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 | • 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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