

# Product Information

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## TITAN CARGO FLEX LD SAE 10W-40

**Premium Performance engine oil with outstanding fuel-economy properties for highly supercharged gas-powered commercial vehicle engines as well as diesel engines with exhaust gas aftertreatment systems. Optimum cold starting, reduced oil consumption, and minimised exhaust emissions.**

### Description

TITAN CARGO FLEX LD SAE 10W-40 is a Premium Performance Low-SAPS engine oil for modern commercial vehicles with turbocharging and exhaust gas aftertreatment. TITAN CARGO FLEX LD SAE 10W-40 provides optimum protection for modern diesel particle filters and catalysts, thus providing enhanced durability. TITAN CARGO FLEX LD SAE 10W-40 provides outstanding performance across a wide range of operating conditions including high temperatures and shock loads. Due to minimized evaporation loss, oil consumption is significantly reduced and deposits in the turbocharger are significantly reduced. TITAN CARGO FLEX LD SAE 10W-40 exceeds conventional UHPD lubricants in versatility and performance.

### Application

TITAN CARGO FLEX LD SAE 10W-40 was specially developed for commercial vehicles with modern exhaust gas aftertreatment systems. Due to its comprehensive performance profile, TITAN CARGO FLEX LD SAE 10W-40 is also ideally suited as a rationalisation product for vehicles of the late 90s and early 2000s. TITAN CARGO FLEX LD SAE 10W-40 is miscible and compatible with conventional, branded engine oils. However, mixing with other engine oils should be avoided in order to fully exhaust this product's benefits. A complete oil drain is recommended when converting to TITAN CARGO FLEX LD SAE 10W-40. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages

- Superior protection from deposits in engines and turbochargers.
- Excellent engine cleanliness.
- Provides environmental benefits due to reduced fuel consumption and longest oil drain intervals.
- Excellent wear protection even under high loads.
- Protects exhaust gas aftertreatment systems.
- Based on its comprehensive application options ideal for rationalisation.

### Specifications

- API CK-4/SN
- CAT ECF-3
- JASO DH-2
- ACEA E11, E8, E7

### Approvals

- DEUTZ DQC IV-18 LA
- MACK EOS-4.5
- MAN M 3775
- MB-APPROVAL 228.31
- MB-APPROVAL 228.51
- MTU DDC TYPE 3.1
- RENAULT RLD-3
- VOLVO VDS-4.5

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## FUCHS Recommendations

- ACEA E9, E6
- CUMMINS CES 20086
- DETROIT DIESEL 93K222
- IVECO 18-1804 CLASSE TLS E9
- MAN M 3477
- MAN M 3575
- RENAULT RLD-4
- SCANIA LA

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## TYPICAL CHARACTERISTICS

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|                              |              |                         |
|------------------------------|--------------|-------------------------|
| Density at 15°C              | DIN 51757    | 0.863 g/ml              |
| SAE Grade                    | SAE J300     | 10W-40                  |
| Kinematic Viscosity at 40°C  | DIN 51562-1  | 99.2 mm <sup>2</sup> /s |
| Kinematic Viscosity at 100°C | DIN 51562-1  | 14.3 mm <sup>2</sup> /s |
| Viscosity Index              | DIN ISO 2909 | 149                     |
| HTHS                         | ASTM D4683   | ≥3.5 mPas               |
| Pour Point                   | DIN ISO 3016 | -45 °C                  |
| Sulphated Ash                | DIN 51575    | ≤1.0 % m/m              |
| Product Dyeing               | DIN 10964    | none                    |

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## Notes

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS (UK) plc in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible.

Our products must not be used in aircraft or spacecraft. Our products may be used in manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS LUBRICANTS (UK) plc application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid. Any form of reproduction requires express prior written permission from FUCHS LUBRICANTS (UK) plc.

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