



## TITAN CARGO SAE 15W-40

**Ultra high-performance, fuel-economy oil for a variety of commercial vehicle diesel engines. Specially developed for Volvo with extended service intervals, exhaust after treatment and turbocharger.**

### Description

TITAN CARGO 15W-40 is a revolutionary diesel engine oil designed for commercial vehicles. The combination of state of the art additive technology with a new base oil matrix with very high oxidation stability provides the highest levels of performance regarding engine durability in highly stressed commercial vehicle engines.

TITAN CARGO 15W-40 was developed for compliance with the current and future American emission legislation (EPA).

TITAN CARGO 15W-40 is particularly advantageous in vehicles fitted with exhaust gas treatment systems such as Diesel Particulate Filters (DPF), Diesel Oxidation Catalyst (DOC), high rate of Exhaust Gas Recirculation (EGR), two-stage turbo charging and SCR-Catalyst (Selective Catalytic Reduction) or any combination of the given technologies.

### Application

Regardless of mileage, older diesel engines can also be changed over to TITAN CARGO 15W-40 with no flushing required. TITAN CARGO 15W-40 is miscible and compatible with conventional branded engine oils. However, mixing with other engine oils should be avoided in order to fully utilize the product's benefits. A complete oil change is recommended when converting to TITAN CARGO 15W-40. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages/Benefits

- Protecting exhaust gas treatment systems with very low sulphated ash levels and low content levels of phosphorus and sulphur
- Excellent wear protection, even under constant full load due to the new additive and base oil technology
- Highest neutralization potential (TBN) in its class. Durable protection against aggressive acids and corrosion during the whole oil drain interval
- Reduced content of heavy metals, minimizes contaminant emissions
- Beneficial for older diesel engines independently of the emission level.
- Rationalization of the newest VOLVO, MACK and RVI engine oil specifications in a single product

### Specifications

- ACEA E9/E7
- API CJ-4/CI-4 PLUS/CI-4
- CAT ECF-2/ECF-3

### Approvals

- CUMMINS CES 20081
- DEUTZ DQC III-10 LA
- DETROIT DIESEL 93K218
- FAWDE Q/XC 3135-2007
- MACK EO-O PREMIUM PLUS
- MAN M 3575 / 3275-1
- MB-APPROVAL 228.31
- MTU DDC TYPE 2.1
- RENAULT RLD-3
- VOLVO VDS-4

### FUCHS Recommendations

- ALLISON C-4

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## TYPICAL CHARACTERISTICS

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Density at 15 °C	DIN 51757	0.876 g/ml
Flash Point, CoC	DIN ISO 2592	248 °C
Pour Point	DIN ISO 3016	-45 °C
Sulphated ash	DIN 51575	1,0 wt.%
Kinematic Viscosity at 40°C	DIN 51562-1	115.3 mm <sup>2</sup> /s
Kinematic Viscosity at 100°C	DIN 51562-1	15.1 mm <sup>2</sup> /s
Viscosity Index	DIN ISO 2909	136

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