

## TITAN CARGO MAXX SAE 5W-30

**Premium MAXX Performance Engine Oil with new XTL-Technology. Specially developed for vehicles with modern exhaust after treatment and turbocharger. Optimum cold starting properties and ageing stability for extreme fuel-economy over the whole drain-interval.**

### Description

TITAN CARGO MAXX 5W-30 is a Premium Low-SAPS engine oil with the innovative XTL®-Technology developed for commercial vehicles. The XTL®-Technology (Xtreme Temperature Lubrication) offers maximum fuel economy over the whole drain-interval due to outstanding oxidation and ageing stability. TITAN CARGO MAXX 5W-30 guarantees optimum protection for modern diesel particulate filters and catalysts and provides improved durability. Due to minimum evaporation loss, the oil consumption and turbocharger deposits are significantly reduced. This new technology offers maximum performance over the entire temperature range and ensures best cold start properties even at very low temperatures. TITAN CARGO MAXX 5W-30 exceeds conventional UHDP lubricants in versatility and performance due to its XTL®-Technology.

### Application

TITAN CARGO MAXX 5W-30 is especially developed for commercial vehicles with modern exhaust gas treatment systems. Because of the extensive performance profile TITAN CARGO MAXX 5W-30 is suitable as a rationalization product also for older vehicles. TITAN CARGO MAXX 5W-30 completely fulfills all latest ACEA Ex Specifications in combination with API CJ-4. TITAN CARGO MAXX 5W-30 is miscible and compatible with conventional branded engine oils. In order to fully utilize the product's benefits, mixing with other engine oils should be avoided and a complete oil change is recommended when converting to TITAN CARGO MAXX 5W-30. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages/Benefits

- Additional reduction of the fuel economy over the whole drain-interval due to XTL® of more than 0,5% compared with quality engine oils of the same SAE-viscosity grade
- Prevents from deposits in engines and especially in turbochargers and features excellent operating safety and low maintenance costs
- Excellent piston cleanliness
- Excellent cold start properties: up to 23% better pumpability at low temperatures due to XTL®
- Significantly reduced oil consumption offered by XTL®
- Suitable for longest drain-intervals
- Improved ageing stability due to XTL® and lower viscosity increase over the whole drain-interval
- Best protection for modern exhaust gas after treatment systems
- Excellent wear protection even under high operation conditions
- Provides high performance reserves even under extreme operation conditions
- TITAN CARGO MAXX SAE 5W-30 offers a wide application profile and is the rationalisation product for mixed fleets in SAE 5W-30
- High neutralisation behaviour against sour burning residues in combination with latest Low-SAPS technology
- Fulfills all latest ACEA Ex specifications (ACEA E9/E7/E6/E4) in combination with API CJ-4 due to excellent properties of XTL®
- Approved in accordance to MAN M 3677 for MAN Euro 6 vehicles

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## Specifications

- ACEA E9/E7/E6/E4
- API CJ-4
- CAT ECF-3
- JASO DH-2
- SCANIA LA

## Approvals

- DEUTZ DQC IV-10 LA (incl. TTCD)
- DETROIT DIESEL 93K218
- MACK EO-O PREMIUM PLUS
- MAN M 3677
- MB-APPROVAL 228.31
- MB-APPROVAL 228.51
- MTU DDC TYPE 2.1
- MTU DDC TYPE 3.1
- RENAULT RLD-3
- SCANIA LDF-4
- VOLVO VDS-4

## FUCHS Recommendations

- CUMMINS CES 20081
- FORD WSS-M2C213-A1
- IVECO 18-1804 CLASSE TLS E6
- MAN M 3271-1
- MAN M 3477
- MAN M 3575

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## TYPICAL CHARACTERISTICS

Density at 15 °C	DIN 51757	0.861 g/ml
SAE grade	SAE J300	5W-30
Kinematic Viscosity at 40°C	DIN 51562-1	71.7 mm <sup>2</sup> /s
Kinematic Viscosity at 100°C	DIN 51562-1	12.1 mm <sup>2</sup> /s
Viscosity Index	DIN ISO 2909	167
HTHS	CEC L-036-90	3.54 mPa*s
Pour Point	DIN ISO 3016	-36 °C
Sulphated ash	ASTM D874	1.0 % m/m
Product dyeing	DIN 10964	none

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