

## TITAN TRUCK PLUS SAE 20W-50

Ultra High Performance Engine Oil for a variety of diesel and gasoline engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.

### Description

TITAN TRUCK PLUS SAE 20W-50 is a long-term all-season engine oil of the SHPD category for diesel and gasoline engines with and without turbo charging in passenger cars, trucks, buses and industrial equipment that have high requirements with respect to engine cleanliness and maintenance intervals. TITAN TRUCK PLUS SAE 20W-50 complies with and/or fulfils and exceeds the requirements of American and European engine manufacturers thanks to its special design. TITAN TRUCK PLUS SAE 20W-50 has significantly more modern additives than conventional HD engine oils of the same SAE class.

### Application

Regardless of the respective running performance, all older EURO 3 commercial diesel engines in southern regions with outside temperatures, that never drop below  $-10^{\circ}\text{C}$ , can be changed to TITAN TRUCK PLUS SAE 20W-50. It is also important for internationally active hauliers, bus companies, construction companies etc. that TITAN TRUCK PLUS SAE 20W-50 can also be used with higher sulphur contents of the diesel fuel, whereas this can often lead to considerable problems with conventional HD engine oils. TITAN TRUCK PLUS SAE 20W-50 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 TRUCK PLUS SAE 20W-50. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages/Benefits

- Ensures a very high degree of cleanliness.
- Gives a minimum of deposits on the piston and in the combustion chamber.
- Protects against liner lacquering.
- Low oil consumption.
- Excellent oxidation stability and thermal properties.
- Prevents corrosion.
- Excellent wear protection properties.
- Outstanding water separation properties.

### Specifications

- ACEA E7
- API CI-4/SL
- GLOBAL DHD-1
- CAT ECF-1-a/ECF-2

### Approvals

- MB-APPROVAL 228.3

### FUCHS Recommendations

- MAN M 3275-1

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## TYPICAL CHARACTERISTICS

Density at 15 °C	DIN 51757	0.878 g/ml
SAE grade	SAE J300	20W-50
Kinematic Viscosity at 40°C	DIN 51562-1	167.8 mm <sup>2</sup> /s
Kinematic Viscosity at 100°C	DIN 51562-1	18.7 mm <sup>2</sup> /s
Viscosity index	DIN ISO 2909	125
HTHS	CEC L-036-90	≥ 3.5 mPa*s
Pour Point	DIN ISO 3016	-33 °C
Sulphated ash	ASTM D874	≥ 1.0 and ≤ 2.0 % m/m
Product dyeing	DIN 10964	none

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Health, Safety and Environment - information is provided for products in the relevant Safety Data Sheet. This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products.

While the information and figures given here are typical of current production and conform to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products