

CAPRANO TDK 15W-40

Diesel engine oil

KEY DATA



- ✓ FISHING
- ✓ INLAND MARINE
- ✓ COASTAL SHIPPING



SPECIFICATIONS AND APPROVALS

International Specifications:

ACEA E7, E9
API CK-4/CJ-4/CI-4/SN

Manufacturers' approvals:

- ✓ Cummins CES 20086
- ✓ Volvo VDS-4.5
- ✓ MAN M 3775

Meets the requirements of:

- ✓ Caterpillar ECF-3/ECF-2/ECF-1-a
- ✓ Cummins CES 20081
- ✓ MAN M 3575

APPLICATIONS

TOTAL CAPRANO TDK 15W-40 is a **high-performance** lubricant used in **industrial Diesel engines**.

The use of this lubricant is linked to the mandatory use of ultra low sulfur fuel (<50 ppm).

With its "**low-SAPS**" (low sulphated ash, phosphorus and sulphur) technology, TOTAL CAPRANO TDK 15W-40 is specifically adapted to the latest generation of Diesel engines equipped with **post-treatment systems**, such as Diesel particulate filters (DPFs).

TOTAL CAPRANO TDK 15W-40 is also suitable for engines with selective catalytic reduction systems.

PERFORMANCES AND CUSTOMER BENEFITS

The high quality base stocks combined with high-performance additives make TOTAL CAPRANO TDK 15W-40 a lubricant with **exceptional technical performances** and sustainable over time.

Advanced additives keep the engine's most sensitive parts clean thanks to the **detergent, dispersant and anti-wear properties**, added to an effective control of soot, sludge and deposits.

The "**low-SAPS**" formulation of TOTAL CAPRANO TDK 15W-40 improves the post-treatment system durability, preventing the clogging of the Diesel particulate filter (DPF).

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PHYSICAL AND CHEMICAL CHARACTERISTICS *

TEST	UNIT	TEST METHOD	VALUE
Density at 15 °C	kg/m ³	ASTM D1298	877
Kinematic Viscosity at 40 °C	mm ² /s	ASTM D445	118.2
Kinematic Viscosity at 100 °C	mm ² /s	ASTM D445	15.47
Viscosity Index	-	ASTM D2270	137
Pour Point	°C	ASTM D97	-30
T.B.N	mgKOH/g	ASTM D2896	10
Sulphated Ash	% m/m	ASTM D874	0.99

* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

RECOMMENDATIONS FOR USE

Before using the product, it is important to check the service manual of the vehicle: the drain is carried out according to the manufacturer's requirements.

The product should not be stored at a temperature above 60 °C.

Exposure to strong sunlight, extreme cold or high temperature variations must be avoided. All packages should be protected from bad weather conditions.

The drums should be stored horizontally to avoid a possible contamination by water and the damage of the product label.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on available information, this product does not cause adverse health effects when used in the intended application and the recommendations provided in the Safety Data Sheet (MSDS) are followed.

It is accessible on request from your local dealer or on the website <http://sdstotalms.total.com>.

This product should not be used for applications other than those for which it is intended. If disposing of used product, take care to protect the environment and comply with local regulations.