



# CAPRANO TDI 15W-40



**Mineral lubricant for fast-running Diesel engine used in navigation.**

## SPECIFICATIONS AND APPROVALS

**International specifications**      ACEA E7/E5 A3/B3/B4      API CI-4 / CH-4 / SL

### Manufacturers' approvals

#### Engine

- ✓ Baudouin Performance B
- ✓ Cummins CES 20078/20077/20076
- ✓ MAN M3275
- ✓ MTU Category 2
- ✓ Volvo VDS-3

#### Reduction drive/Reversing gear

- ✓ ZF TE-ML 04C

### Meets the requirements of

- ✓ Caterpillar ECF-2

### Suitable for the following engines

MITSUBISHI (medium speed)

## APPLICATIONS

TOTAL CAPRANO TDI 15W-40 is suitable for **fast-running Diesel engines** used in **navigation**, especially recent technologies with exhaust gas recirculation, that meet **European standard Stage IIIA** and **American standard EPA Tier 3**.

TOTAL CAPRANO TDI 15W-40 is also adapted to auxiliary systems and transmissions.

## PERFORMANCES AND CUSTOMER BENEFITS

TOTAL CAPRANO TDI 15W-40 contains excellent **viscosity stability in service**, guaranteeing effective engine lubrication in severe conditions.

**Outstanding detergent, dispersant and anti-wear properties** keep the engine clean and enable effective control of soot, sludge and piston deposits.

**Excellent piston cleanliness performance** affords effective protection against cylinder liner polishing.

Its **anti-wear and anti-corrosion additives** ensure longer engine and transmission durability.

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

### TOTAL CAPRANO TDI 15W-40

		Method	Value
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	889
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	100
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	14
Viscosity Index	-	ASTM D2270	140
Pour point	°C	ASTM D97	-30
T.B.N	mgKOH/g	ASTM D2896	11
Sulphated Ash	% m/m	ASTM D874	1.45

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

### TOTAL LUBRIFIANTS

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### TOTAL CAPRANO TDI 15W-40

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[www.lubricants.total.com](http://www.lubricants.total.com)



This lubricant does not cause adverse health effects when used in the intended application.

A safety datasheet is accessible on request from your local dealer or on the website [www.quickfds.com](http://www.quickfds.com)