



CAPRANO TD

30 – 40



Mineral lubricant for **4 strokes Diesel engines** used in **navigation**.

SPECIFICATIONS AND APPROVALS

| International specifications | ACEA E2 | API CF |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Manufacturers' approvals <i>Engine</i> <ul style="list-style-type: none">✓ Baudouin SMB-3✓ MTU Category 1 <i>Reduction drive/Reversing gear</i> <ul style="list-style-type: none">✓ ZF TE-ML 04A/04B | Suitable for the following engines ABC, BOLNES, DEUTZ, MAK, STORK... Reduction drive/Reversing gear: MASSON, BAUDOUIN | |

APPLICATIONS

TOTAL CAPRANO TD 30 – 40 is a **mineral** lubricant recommended for **navigation Diesel engines** (turbocharged or naturally-aspirated) used in **marine** and **leisure sectors**.

This lubricant is also adapted to **transmissions** systems.

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL CAPRANO TD 30 – 40 offers **excellent thermal stability** and **oxidation resistance**, 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.

TOTAL CAPRANO TD 30 – 40 exhibits **alkaline reserve** to neutralize acid compounds coming from the combustion.

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

PHYSICAL AND CHEMICAL CHARACTERISTICS*

| TOTAL CAPRANO TD | | Method | 30 | 40 |
|------------------------------|--------------------|------------|------|-------|
| Density at 15°C | kg/m ³ | ASTM D1298 | 895 | 880 |
| Kinematic Viscosity at 40°C | mm ² /s | ASTM D445 | 103 | 126.2 |
| Kinematic Viscosity at 100°C | mm ² /s | ASTM D445 | 11.5 | 13.3 |
| Viscosity Index | - | ASTM D2270 | 98 | 99 |
| Pour point | °C | ASTM D97 | -24 | -24 |
| T.B.N | mgKOH/g | ASTM D2896 | 11 | 11 |
| Sulphated Ash | % m/m | ASTM D874 | 1.52 | 1.52 |

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

TOTAL LUBRIFIANTS
562, avenue du Parc de l'Île
92029 Nanterre cedex
FRANCE

TOTAL CAPRANO TD 30 – 40

Update 07/2014

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