



# CAPRANO M 30 – 40



Lubricant for **4 strokes Diesel engines** used in navigation.

## SPECIFICATIONS AND APPROVALS

### International specifications

API CF

#### Manufacturers' approvals

##### Engine

- ✓ Baudouin SMB-3 / Performance A
- ✓ Wartsila-Poyaud Series W and UD
- ✓ MAN Diesel and turbo

##### Reduction drive/Reversing gear

- ✓ ZF TE-ML 04A/04B
- ✓ Reintjes BV 2060/3&4 and BV 1597/3&4
- ✓ Renk Marine gearboxes
- ✓ Flender A 66

#### Suitable for the following engines

ABC, DEUTZ, MAK...

**Reduction drive/Reversing gear:** BAUDOUIN, MASSON, FINNOY

## APPLICATIONS

TOTAL CAPRANO M 30 – 40 is recommended for **navigation Diesel engines** (turbocharged or naturally-aspirated) used in inland and coastal shipping.

TOTAL CAPRANO M 30 – 40 is also suitable for **auxiliary groups, transmissions systems, stern tubes and bearings.**

## PERFORMANCES AND CUSTOMER BENEFITS

TOTAL CAPRANO M 30 – 40 offers **good mechanical and thermal resistance**. It also has excellent water resistance and capability for filtration and centrifugation.

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

TOTAL CAPRANO M 30 – 40 exhibits **important 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 M 30 – 40		Method	30	40
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	895	899
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	113	147
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	12	14.3
Viscosity Index	-	ASTM D2270	95	95
Pour point	°C	ASTM D97	-9	-6
T.B.N	mgKOH/g	ASTM D2896	14.5	14.5

\* 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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92029 Nanterre cedex  
FRANCE

### TOTAL CAPRANO M 30 – 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)