



CAPRANO M 30 – 40



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

SPECIFICATIONS AND APPROVALS

International specifications	API CF
Manufacturers' approvals <i>Engine</i> <ul style="list-style-type: none">✓ Wärtsilä-Poyaud W and UD Series✓ Wärtsilä-Poyaud 20DF, 32DF, 34DF, 46DF and 50DF Dual Fuel engines (SAE 40)✓ MAN Diesel and turbo <i>Reduction drive/Reversing gear</i> <ul style="list-style-type: none">✓ 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: BAUDOQUIN, MASSON, FINNOY

APPLICATIONS

TOTAL CAPRANO M 30 – 40 is recommended for **navigation Diesel engines** (turbocharged or naturally-aspirated) used in inland and coastal shipping. It is also approved for most Wärtsilä **Dual Fuel** engines (SAE 40).

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 ³	ASTM D1298	895	899
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	113	147
Kinematic Viscosity at 100°C	mm ² /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.

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TOTAL CAPRANO M 30 – 40
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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