

## CAPRANO M 30

Diesel engine oil

### KEY DATA



- ✓ FISHING
- ✓ INLAND MARINE
- ✓ COASTAL SHIPPING

### SPECIFICATIONS AND APPROVALS

#### International Specifications:

API CF

#### Manufacturers' approvals:

Engine:

- ✓ Wärtsilä Vasa 22/22/26 and 32/32LN

#### Suitable for the following engines:

- ✓ ABC, DEUTZ, MAK, etc

Reduction drive/Reversing gear:

- ✓ BAUDOUIN, MASSON, FINNOY

#### Meets the requirements of:

Engine:

- ✓ 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

### APPLICATIONS

TOTAL CAPRANO M 30 is recommended for **navigation 4-stroke Diesel engines** (turbocharged or naturally-aspirated) used in inland and coastal shipping.

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

### PERFORMANCES AND CUSTOMER BENEFITS

TOTAL CAPRANO M 30 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 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.

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## PHYSICAL AND CHEMICAL CHARACTERISTICS \*

TEST	UNIT	TEST METHOD	VALUE
Density at 15 °C	kg/m <sup>3</sup>	ASTM D1298	895
Kinematic Viscosity at 40 °C	mm <sup>2</sup> /s	ASTM D445	113
Kinematic Viscosity at 100 °C	mm <sup>2</sup> /s	ASTM D445	12
Viscosity Index	-	ASTM D2270	95
Pour Point	°C	ASTM D97	-9
T.B.N	mgKOH/g	ASTM D2896	14.5

\* 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.