

# CAPRANO ENERGY FE 15W-30



Mineral lubricant for fast-running engines used in marine and leisure sectors, with Fuel Economy technology.

## **SPECIFICATIONS AND APPROVALS**

International specifications	ACEA E7 A3/B4/B3	API CI-4/SL
Manufacturers' approvals	Meets tl	ne requirements of
√ Baudouin Performance B	$\checkmark$	Caterpillar ECF-2
✓ Cummins CES 20078/20077		
✓ MAN M 3275	Suitable	for the following engines
✓ MTU Category 2	DEERE,	DEUTZ, HONDA, LOMBARDINI, NANNI, PERKINS, SUZUKI,
✓ Volvo VDS-3	TOHATS	J, VOLKSWAGEN, YANMAR
√ Wärtsilä-Poyaud UD 18/23/25/150	/30	

### **APPLICATIONS**

TOTAL CAPRANO ENERGY FE 15W-30 is a **mineral** lubricant suitable for **fast-running navigation engines** (marine and leisure sectors), included engines with exhaust gas recirculation.

TOTAL CAPRANO ENERGY FE 15W-30 is adapted to **Diesel** and **gasoline engines** and can be used for lubricating auxiliary units.

### PERFORMANCES AND CUSTOMER BENEFITS

Its FUEL ECONOMY technology helps save up to 5% fuel, compared to an SAE 40 grade reference lubricant.

TOTAL CAPRANO ENERGY FE 15W-30 contains **excellent viscosity stability in service**, guaranteeing efficient engine lubrication in severe conditions.

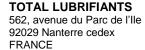
**Outstanding detergent, dispersant and anti-wear properties** keep the engine's most sensitive parts clean and afford efficient protection against cylinder liner polishing.

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

### PHYSICAL AND CHEMICAL CHARACTERISTICS\*

TOTAL CAPRANO ENERGY FE 15W-30		Method	Value
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	886
Kinematic Viscosity at 40°C	mm²/s	ASTM D445	91
Kinematic Viscosity at 100°C	mm²/s	ASTM D445	12.3
Viscosity Index	-	ASTM D2270	136
Pour point	°C	ASTM D97	-30
T.B.N	mgKOH/g	ASTM D2896	10
Sulphated Ash	% m/m	ASTM D874	1.5

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



TOTAL CAPRANO ENERGY FE 10W-30
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www.lubricants.total.com

