

A semi-synthetic lubricant for 4-stroke outboard and inboard petrol and Diesel engines.

### PERFORMANCES

**Standards:** ACEA A3/B3  
API SL /CF

### ADVANTAGES

Grade 15W50 features the advantage of ensuring a high viscosity when hot (the number after the W indicates the viscosity class at 100°C: the higher it is, the more viscous the oil), enabling extended use at high speed and maintaining engine performances in intensive use.

Specially formulated and designed for 4-stroke outboard and inboard petrol and Diesel engines, with or without turbocharger.

Perfectly tailored for leisure or professional boating, on coastal or river waters.  
Miscible with other marine engine oils.

### USES

PROSURF 4T ST was developed specifically for leisure boating engines subject to higher wear than other engines, given their intensive use for short periods followed by many months out of use.

It was formulated from an optimised blend of mineral-based and synthetic oils, together with selected additives, giving it the exceptional properties of a semi-synthetic lubricant.

The synthetic base of PROSURF 4T ST gives it a very high lubricating power, considerably reducing internal friction, and ensuring very high resistance to the highest temperatures when in intensive use.

This product comes in three grades, 10W-30, 10W-40 and 15W-50.

Characteristics	Methods	Units	10W-30	10W-40	15W-50
Density at 20°C	NF T 60-101	kg/m <sup>3</sup>	877	876	880
Kinematic viscosity at 40°C	NF T 60-101	mm <sup>2</sup> /s	67.8	100	146.4
Kinematic viscosity at 100°C	NF T 60-100	mm <sup>2</sup> /s	10.7	14.3	17.6
Viscosity index	NF T 60-136	-	147	147	132
Viscosity at -20°C	ASTM D 2602	m.Pa.s	-	-	6589
Viscosity at -25°C	ASTM D 2602	m.Pa.s	5885	6860	-
Pour point	NF T 60-105	°C	-30	-25	-25
COC flash point	NF T 60-118	°C	228	230	228
TBN (alkaline reserve)	ASTM D 2896	mg KOH/g	7.0	7.6	7.7

*The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.*

Document ref.: I-93-1503  
Published: 20/03/2015

Technical data sheet