

International 2.4 metre Measurement Form

Sail Number **NOR.142**

ISAF Plaque Number **742**

Owner **Bjørn Roar Pettersen**

Name of yacht

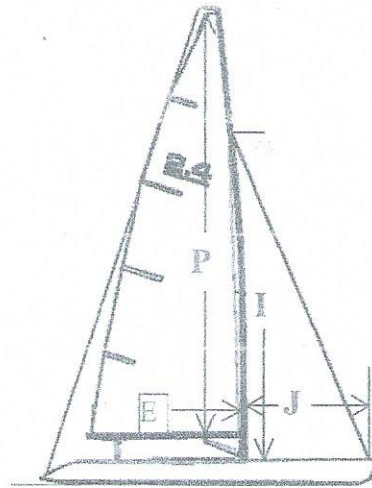
Overall length			4.178
Overhang Forward to L1		+ 0.427	
Overhang Aft to L1	Total overhang	+ 0.658	→ - 1.085
Measured length			3.093
Girth at Bow		0.312	
Twice Vertical Height at Bow	O at Bow	- 0.240 →	0.072
1½ O at Bow			+ 0.108
Girth at Stern		0.887	
Twice Vertical Height at Stern	O at Stern	- 0.517 →	0.370
Add 1/3 O at Stern			+ 0.123
Add any penalty at O2	Sum of Girth difference	+ 0 →	+ 0.231
Correct length, L			3.324
Skin girth d to d1 Port		0.732	
Chain girth d to d1 Port	d Port	- 0.732 →	+ 0
Skin girth d to d1 Starboard		0.732	
Chain girth d to d1 Starb,	d Starboard	- 0.732 →	+ 0
d = d Port + d Starboard	2 x d		+ 0
Add to find sum of L + 2d			3.324
Mean freeboard Bow O		+ 0.327	
Mean freeboard Midships D		+ 0.300	
Mean freeboard Stern	Sum of freeboards	+ 0.292 →	0.919
F=1/3 sum of freeboards	F, max 0.292		0.307
= L + 2d - F			- 0.292
Penalty Displacement Rule D.7.2.	LWL		2.978
Corr LWL	Difference	- 2.978 →	0
Penalty Beam Rule D.7.3	Beam		+ 0
Min beam	Deficiency	0.760	
\sqrt{S}	4 x deficiency	- 0.720 →	0
Total of Measurements L + 2d - F + \sqrt{S}			+ 2.654
Divide by 2.37 = RATING =			5.686
Penalty Draft Rule D.7.1	Draft		2.399
Max draft	Excess	0.985	
Penalty Tumble home D.7.4	Tumble home	- 1,000 →	+ 0
Max Tumble home	Excess	0	
FINAL RATING	3 x excess	- 0,015 →	+ 0
			2.399

Other Measurements recorded by measurer

Overall Length	4.178
Overhang Forward to L	+0.542
Overhang Aft to L	0.658
Total Overhang (Sum overhang forward and aft)	→ -1.200
Waterline Length (Overall Length - Total Overhang)	2.978
Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2	0.05
Boat weight recorded by weighing according to rule C.5.1	254 Kg
Boat weight including 35 kg ballast	289 Kg
Minimum weight by Rule D.7.2 $(0.2 \times LWL + 0.06)^3 \times 1025$	289 Kg

Sail Dimensions

	P = 4.650
Outer point distance	E = 1.960
Forestay height	I = 3.750
Foretriangle base	J = 1.560



Mast measurements checked	
Height of mast datum point	
Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

Mainsail $0.5 \times P \times E =$	4.557 m ²
Foretriangle Total $0.5 \times I \times J =$	2.925 m ²
Foretriangle Total $\times 0.85$	2.486 m ²
Sail Area For Rating = S =	7.043 m ²
\sqrt{S}	2.654

Builder Charger Technology Signer Peter Norlin When Built 2017

Measured by Rikard Bjurström Date of Measurement ?

Complementary measured by Date of compl measurement

Certificate issued by H. Rolfsnes Date of issue 13/12-2021

name Norsk 2.4m R Klubb
authority

signature Karal Rolfsnes

