International 2.4 metre Measurement Form

Sail Number NOR 130 ISAF Plaque Number 886

Owner Sigurd Utbjoe Name of yacht .....

Overall length			4,180
Overhang Forward to L1		+ 0,430	
Overhang Aft to L1	Total overhang	+ 0,658 →	-1,088
Measured length			3,092
Girth at Bow		0,313	
Twice Vertical Height at Bow	O at Bow	- 0,240 →	0,073
1½ O at Bow			+0,109
Girth at Stern		0,890	
Twice Vertical Height at Stern	O at Stern	- 0,525 →	0,365
Add 1/3 O at Stern			+0,122
Add any penalty at O2	Sum of Girth difference	+ — →	+0,231
Correct length, L			3,323
Skin girth d to d1 Port			
Chain girth d to d1 Port	d Port	- →	+ 0
Skin girth d to d1 Starboard			
Chain girth d to d1 Starb,	d Starboard	- →	+ 0
d = d Port + d Starboard	2 x d		+ 0
Add to find sum of L + 2d			3,323
Mean freeboard Bow O		+0,327	
Mean freeboard Midships D		+0,299	
Mean freeboard Stern	Sum of freeboards	+0,298 →	0,924
F=1/3 sum of freeboards	F, max 0.292		0,308 - 0,292
= L + 2d - F			3,031
Penalty Displacement Rule D.7.2.	LWL	—	
Corr LWL Difference	2 x difference	- →	+ 0
Penalty Beam Rule D.7.3	Beam	0,762	
Min beam Deficiency	4 x deficiency	- 0,720 →	+ 0
$\sqrt{S}$			+2,654
Total of Measurements L + 2d - F + $\sqrt{S}$			5,685
Divide by 2.37 = RATING =			2,399
Penalty Draft Rule D.7.1	Draft		
Max draft Excess	3 x excess	- 1,000 →	+ 0
Penalty Tumble home D.7.4	Tumble home		
Max Tumble home Excess	3 x excess	- 0,015 →	+ 0
FINAL RATING			2,399

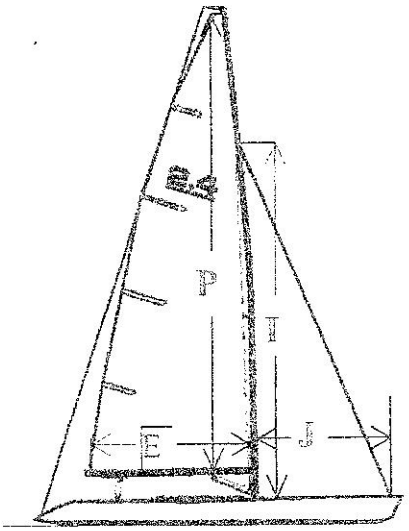
NOR 130 ISAF 886

Other Measurements recorded by measurer

Overall Length	4,180
Overhang Forward to L	+ 0,544
Overhang Aft to L	+ 0,658
Total Overhang (Sum overhang forward and aft)	→ - 1,202
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	
Boat weight recorded by weighing according to rule C.5.1	255 Kg
Boat weight including 35 kg ballast	290 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	ok
Height of mast datum point Rule C.8.2 (b) (2)	ok
Boom measurements checked	ok
Rudder thickness, Rule E.4.3	ok

Areas of Sail

Mainsail 0.5 x P x E =	4,557 m^2
Foretriangle Total 0.5 x I x J =	2,925 m^2
Foretriangle Total x 0.85	2,486 m^2
Sail Area For Rating = S =	7,043 m^2
$\sqrt{S}$	2,654

Builder Charger Composites Designer Peter Norlin When Built 2014

Measured by NOR 367 Erling Gangdal Date of Measurement 12.04.2015

Complementary measured by..... Date of compl measurement.....

Certificate issued by Harald Rolfsnes Date of issue 16/4-2015

name
CA Norsk 2.4mR Klubb
authority

Harald Rolfsnes
signature

Norsk 2.4mR Klubb