International 2.4 metre Measurement Form

Sail Number NOR 85 ISAF Plaque Number 112

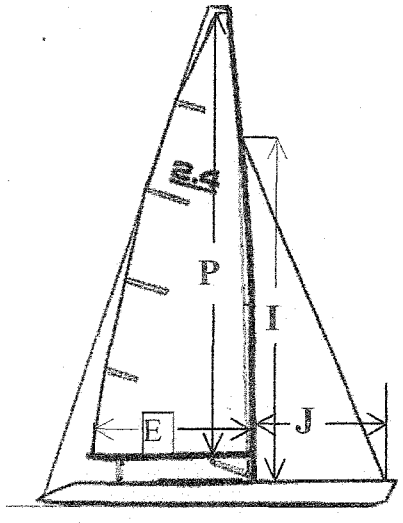
Owner Ole B. Eide Name of yacht Hagar

Overall length				4.357
Overhang Forward to L1			+ 0.353	
Overhang Aft to L1	Total overhang		+ 0.967 →	- 1.320
Measured length				3.037
Girth at Bow			0.295	
Twice Vertical Height at Bow	O at Bow		- 0,240 →	0,055
1½ O at Bow				+ 0,082
Girth at Stern			0,960	
Twice Vertical Height at Stern	O at Stern		- 0.531 →	0,429
Add 1/3 O at Stern				+ 0.143
Add any penalty at O2	Sum of Girth difference			+ 0 → +0.225
Correct length, L				3.262
Skin girth d to d1 Port				
Chain girth d to d1 Port	d Port		- →	+
Skin girth d to d1 Starboard				
Chain girth d to d1 Starb,	d Starboard		- →	+
d = d Port + d Starboard	2 x d			+
Add to find sum of L + 2d				
Mean freeboard Bow O			+ 0.363	
Mean freeboard Midships D			+ 0,314	
Mean freeboard Stern	Sum of freeboards		+ 0,301 →	0,978
F=1/3 sum of freeboards	F, max 0.292			0.326 - 0.292
= L + 2d - F				2,970
Penalty Displacement Rule D.7.2.		LWL		
Corr LWL	Difference	2 x difference	- →	+ 0
Penalty Beam Rule D.7.3		Beam		
Min beam	Deficiency	4 x deficiency	- 0,720 →	+ 0
√S				+2.717
Total of Measurements L + 2d - F + √S				5.687
Divide by 2.37 = RATING =				2,400
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				2.400

Other Measurements recorded by measurer NOR 85

Overall Length	4.357
Overhang Forward to L	+ 0.453
Overhang Aft to L	+ 0,967
Total Overhang (Sum overhang forward and aft)	→ - 1,420
Waterline Length (Overall Length - Total Overhang)	2,937
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	237 Kg ✗
Boat weight including 35 kg ballast	272 Kg ✗
Minimum weight by Rule D.7.2 $(0.2 \times LWL+0.06)^3 \times 1025$	271 Kg

Sail Dimensions



	P = 4,650
Outer point distance	E = 2,105
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 x P x E =	4.896 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 =	7,382 m^2
$\sqrt{S}$	2,717

Builder Ole B. Eide Designer Ole B. Eide When Built 1996

Measured by Ove Bartø Hansen Date of Measurement 1/10-1996

✗ Complementary measured by H. Rolfsnes Date of compl measurement 1/9-2010

Certificate issued by H. Rolfsnes Date of issue 1/9-2010

name
CA Norsk 24m R. Klubb
authority

Harald Rolfsnes
signature

Norsk 24m R Klubb