## International 2.4 metre Measurement Form

Sail Number NOR. 138. ISAF Plaque Number 5k. 286

Owner Pal Kragset	Name of yacht
Overall length	4.182
Overhang Forward to L1	+ 0.434
Overhang Aft to L1 Total overhang	+0.653 -1.087
Measured length	3.095
Girth at Bow	0.311
Twice Vertical Height at Bow O at Bow	-0,240 → 0.072
1½ O at Bow	+0.108
Girth at Stern	0.898
Twice Vertical Height at Stern O at Stern	-0.529 → 0.369
Add 1/3 O at Stern	+ 0.123
Add any penalty at O2 Sum of Girth difference	+ - > + 0.231
Correct length, L	3.326
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 $L + 2d$	3.326
Mean freeboard Bow O	+ 0.325
Mean freeboard Midships D	+0.299
Mean freeboard Stern Sum of freeboards	+0.300 > 0.924
F=1/3 sum of freeboards $F$ , max 0.292	0.308 - 0.292
= L + 2d - F	3.034
Penalty Displacement Rule D.7.2. LWL	
Corr LWL Difference 2 x difference	
Penalty Beam Rule D.7.3 Beam	
Min beam Deficiency $4 \times 4 $	-0,720 → + - +2.654
Total of Measurements L + 2d - F + $\sqrt{S}$	5,688
Divide by 2.37 = RATING =	2.400
Penalty Draft Rule D.7.1 Draft	2,770
Max draft Excess 3 x excess	-1,000 → + -
Penalty Tumble home D.7.4 Tumble home	2,000
Max Tumble home Excess 3 x excess	-0,015 ->   + -
FINAL RATING	2.400
	6.10

## NOR 138. (ISAF) Nr. Sk. 286

Other Measurements recorded by measurer

Overall Length

Overhang Forward to L

Overhang Aft to L

Total Overhang (Sum overhang forward and aft)

Waterline Length (Overall Length - Total Overhang)

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

Boat weight including 35 kg ballast

Minimum weight by Rule D.7.2 (0.2xLWL+0.06)<sup>3</sup> x 1025

	4.182
+ 0.551	
+0.653	
omaly.	-1.204
270 20	2.978
	254 Kg
	289 Kg
	289 Kg

## Sail Dimensions

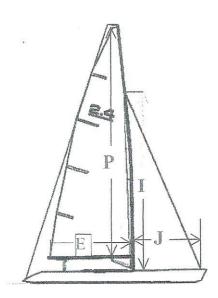
P=4.650

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  $0.5 \times P \times E =$ 

Foretriangle Total  $0.5 \times I \times J =$ 

Foretriangle Total x 0.85

Sail Area For Rating = S =

VS

	4,557 m <sup>2</sup>
2,925 m <sup>2</sup>	
	2,486 m <sup>2</sup>
	7.043 m <sup>2</sup>
	2.654

Builder Vene Björndohl Designer Peter Norlin When Built. 1992

Measured by Hakan Rellner. Date of Measurement 24/5-2012

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

Certificate issued by Harald Rolfsner Date of issue 13/12 - 2017

CANORSK 2.4mK-Klubb authority

isk 2.4mR Klubb