

1985

International 5.5 Metre Class

Certificate of Rating

Yacht's Name: JOHN B. VII Sail Number: BA-14
 Owner: MR. RH SYMONETTE Owner's Club: NYC
 Designer: I. MURRAY & ASSOC. Date Completed: 22 DEC 90
 Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: State fresh or salt: SALT
 Difference in immersion (class rule 5): (metres)

Classification Society: LLOYDS
 Expiration date of classification certificate: N/A

Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:

Signature: Steven J. Hillland Date: 31 MAR 92 Item No: 40-52, 57-59
- WEIGHT CHANGE DUE TO KEEL ALTERATIONS; RECALCULATED 'L'
AND DISPLACEMENT

Expiration date of rating certificate: MAR 94
 Re-Rated:

I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

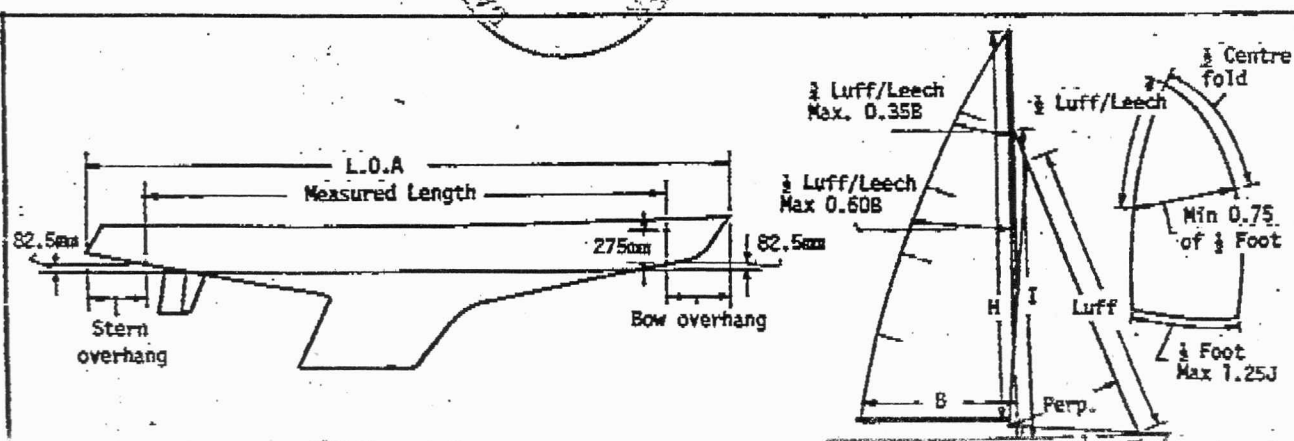
Signature of Measurer: Steven J. Hillland

Signature of designer or builder:

Signature of owner or representative:

Certificate authorised by: Barbara Date: April 16 1992

For: Barbara (enter name of National Authority)



		Actual	Rule Limits	Rule No.
HULL				
1	Immersion checked in salt/fresh water 22 DEC 90	date		5,24
2	Weight of inside ballast placed at <u>FWD CONSOLE</u>	25 Kg		27
3	Beam	1.921	min. 1.90m	2,8
4	Max. Draft	1.350	max. 1.35m	2
5	Freeboard at bow girth station	.759		4
6	Freeboard at stern girth station	.536		4
7	Freeboard at midship mark	.595		4
8	Freeboard average	1.890	.630 min. 0.63m	4
9	Keel and ballast materials	LEAD	lead or iron	9(iii)
10	Keel height of round at bottom	.075	min. 75mm	9(iv)
11	Maximum section width down to 1m from LNL	.153	min. 150mm	9(iv)
12	Stern angle	106	min. 1 in 5.5	11
13	Round of beams	.002	max. 7mm in 305mm	12
14	Tumblehome	NIL		13
15	Deduct 2% of max. beam	-		
16	Excess tumblehome	NIL	3 x excess added to rating	13
17	Area of deck openings	2.112	max. 2.25m ²	21
18	Cockpit forward of L1 mark	2.472	min. 1.75m	22
19	Breadth of side decks	.420	min. 35cm	21
SAILS AND RIGGING				
20	Height of sailplan above covering board level	11.100	max. 11.10m	14
21	Height of boom (black band) above covering board level	.788	max. 0.85m min. 0.50m	16
22	Height of fore triangle above covering board level (1)	8.880	max. 8.88m	15
23	Base of fore triangle (J) (Deck black band to be checked)	2.693	max. 0.50 x $\sqrt{S}$	14
24	Min. Headsail for measurement purposes = 0.5 x I x J x 80%	9.564		14
25	Spinnaker, halliard above forestay	.100	max. 10cm	17
26	Spinnaker halliard out from mast	.026	max. 3cm	17
27	Spinnaker breadth of half the foot	3.365	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2.692	max. J	17
29	Spinnaker boom length	2.692	max. J	18
30	Mast diameter at 1/2 ht. of fore triangle, round mast	143 x 107	min. 11.5cm	19
31	Mast diameter at deck, round mast	130 x 105	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	132 x 098	min. 9.2cm	19
33	Mast diameter at top, round mast	076 x 063	min. 5.8cm	19
	(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional area shall not be less)			
34	Tip weight of mast	20 Kg	min. 16kgs	19
35	Boom depth	.145	max. 15.2cm	20
36	Boom width	.088	min. 3.8cm	20

Item No.		Actual	Rule Limits	Rule No.
37	MISCELLANEOUS Weight of anchor	11.33	max. 13kgs min. 11kgs	23
38	Length of warp (min. diameter 9mm)	30M	min. 30m	23
39	Top of I marks above water with yacht in racing trim	YES		5

Item No.		Actual Measures		Rule Limits
40	LENGTH L FOR RATING Overall length L.O.A.		9.419	
41	Bow overhang to L_1	1.053		
42	Stern overhang L_1	1.014		
43	Total overhang	add	2.067	
44	Measured length L_1		subtract 7.352	
45	Girth at bow	.704		
46	Twice vertical height at bow ($\approx 0.550m$)	.550		
47	Bow girth difference	subtract	.154 ← (.165)	min. 0.153m (rule 3)
48	Girth at stern	1.598		
49	Twice vertical height at stern	.889		
50	Stern girth difference	subtract .709		
51	1/3 stern girth difference	div. by 3	.236	min. 0.234m (rule 3)
52	Length L for rating formula	add	7.753	
53	SAIL AREA FOR RATING Largest headsail $\approx 0.5 \times$ _____ (luff) $\times$ _____ (perp)	9.448		min. see item 24
54	Mainsail = $0.5 \times$ _____ (H) $\times$ _____ (B)	19.552		min 26.5m ² (rule 2)
55	Total sail area S	add	29.000	max. 29.0m ²
56	$\sqrt{S}$		5.385	
57	DISPLACEMENT Weight of yacht (date when weighed) <u>30 MAR 92</u>	1955Kg		
58	Displacement D = weight div. by 1025.21kg/m ³		1.907	min. 1.7m ³ (rule 2)
59	$\sqrt{D}$		1.240	max 2.0m ³
60	RATING Rating calculated according to formula	5.481		
61	3 x tumblehome excess	NIL		(rule 13)
62	FINAL RATING	add	5.481	