

# International 5.5 Metre Class Certificate of Rating

Yacht's Name: ..... *Blue Pearl* ..... Sail Number: ..... ~~2765~~ *166* .....  
 Owner: ..... *Jürg Weber* ..... Owner's Club: ..... *Y.C.P.* .....  
 Designer: ..... *O. Weber / J. Weber* ..... Date Completed: ..... *March 1989* .....  
 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: ..... *frsb* .....  
 Difference in immersion (class rule 5): ..... *0.006* ..... (metres)

Classification Society: ..... *Bureau Veritas, Paris* .....  
 Expiration date of classification certificate: ..... *1991* .....

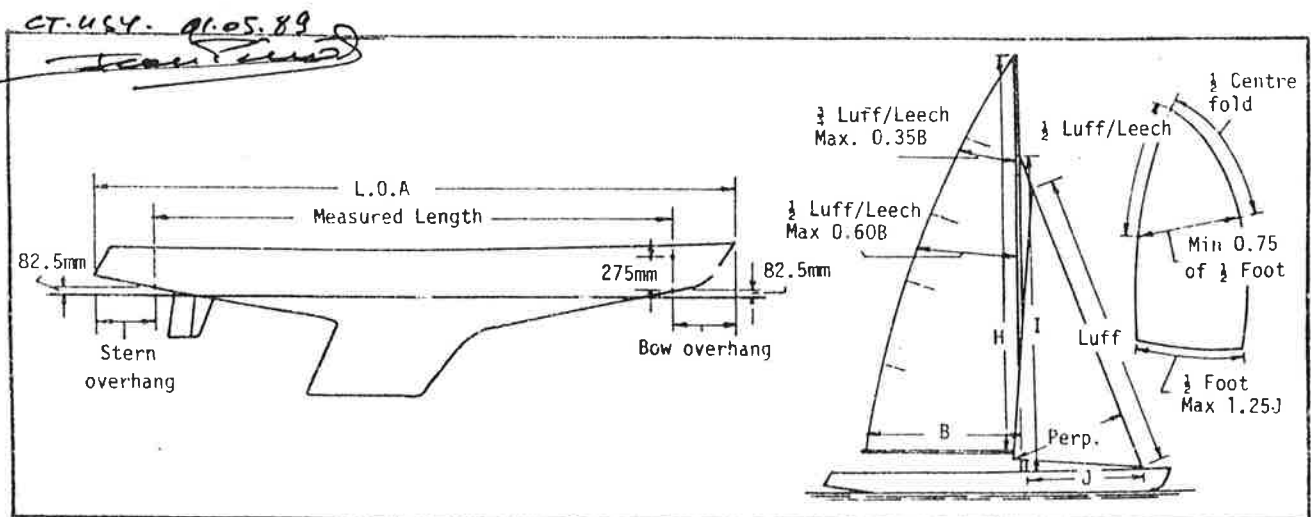
Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:  
 Signature: *Jürg Sprecher* Date: *17.4.89* Item No: *1-62*  
*USY Measurer*

Expiration date of rating certificate: .....  
 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: .....  
 Signature of designer or builder: ..... *O. Weber* .....  
 Signature of owner or representative: .....  
Im USY-Register  
eingetragen am  
9. MAI 1989 **Yachtwerft Portier AG**  
8706 Meilen

Certificate authorised by: ..... Date: .....  
 For: ..... (enter name of National Authority)



Item No.		Actual	Rule Limits	Rule No.
<b>HULL</b>				
1	Immersion checked in <del>sea</del> /fresh water	date 9.3.89		5,24
2	Height of inside ballast placed at _____	none		27
3	Beam	1.923	min. 1.90m	2,8
4	Max. Draft	1.342	max. 1.35m	2
5	Freeboard at bow girth station	.714		4
6	Freeboard at stern girth station	.584		4
7	Freeboard at midship mark	.591		4
8	Freeboard average	.630	min. 0.63m	4
9	Keel and ballast materials	Lead	lead or iron	9(iii)
10	Keel height of round at bottom	.010	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	.157	min. 150mm	9(iv)
12	Stern angle	.186	min. 1 in 5.5 = .182	11
13	Round of beams	∅	max. 7mm in 305mm	12
14	Tumblehome	∅		13
15	Deduct 2% of max. beam			
16	Excess tumblehome	∅	3 x excess added to rating	13
17	Area of deck openings	2.200	max. 2.25m <sup>2</sup>	21
18	Cockpit forward of L1 mark	2.125	min. 1.75m	22
19	Breadth of side decks	.400	min. 35cm	21
<b>SAILS AND RIGGING</b>				
20	Height of sailplan above covering board level	11.100	max. 11.10m	14
21	Height of boom (black band) above covering board level	.850	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)	2.690	max. 0.50 x √S	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9.555		14
25	Spinnaker, halliard above forestay	.100	max. 10cm	17
26	Spinnaker halliard out from mast	.065	max. 3cm	17
27	Spinnaker breadth of half the foot	3.363	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2.690	max. J	17
29	Spinnaker boom length	2.690	max. J	18
30	Mast diameter at ½ ht. of fore triangle, round mast	17.6 x 10.2	min. 11.5cm	19
31	Mast diameter at deck, round mast	17.6 x 10.2	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	12.7 x 8.1	min. 9.2cm	19
33	Mast diameter at top, round mast	7.0 x 5.7	min. 5.8cm	19
	(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	Tip weight of mast	18.54	min. 16kgs	19
35	Boom depth	.110	max. 15.2cm	20
36	Boom width	.073	min. 3.8cm	20

Item No.		Actual	Rule Limits	Rule No.
<b>MISCELLANEOUS</b>				
37	Weight of anchor	12kg.	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	340		5

Item No.		Actual Measures		Rule Limits
<b>LENGTH L FOR RATING</b>				
40	Overall length L.O.A.		9,287	
41	Bow overhang to L <sub>1</sub>	1.114		
42	Stern overhang L <sub>1</sub>	.961		
43	Total overhang	add	2,075	
44	Measured length L <sub>1</sub>		subtract 7,212	
45	Girth at bow	.728		
46	Twice vertical height at bow (=0.550m)	.550		
47	Bow girth difference	subtract	.178	min. 0.165m (rule 3)
48	Girth at stern	1.862		
49	Twice vertical height at stern	1.000		
50	Stern girth difference	subtract .862		
51	1/3 stern girth difference	div. by 3	.287	min. 0.234m (rule 3)
52	Length L for rating formula	add	7,677	
<b>SAIL AREA FOR RATING</b>				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9,555	min. see item 24
54	Mainsail = 0.5 x 10,250 (ii) x 3,782 (b)		19,385	min 26.5m <sup>2</sup> (rule 2)
55	Total sail area S	add	28,940	max. 29.0m <sup>2</sup>
	$\sqrt{S}$		5,380	
<b>DISPLACEMENT</b>				
57	Weight of yacht (date when weighed) 9,389		1,812	
58	Displacement D = weight div. by 1025.21kg/m <sup>3</sup>		1.768	min. 1.7m <sup>3</sup> (rule 2)
59	$\sqrt[3]{D}$		1.209	max 2.0m <sup>3</sup>
<b>RATING</b>				
60	Rating calculated according to formula		5.500	
61	3 x tumblehome excess	0		(rule 13)
		add		
62	<b>FINAL RATING</b>		5.500	