

International 5.5 Metre Class Certificate of Rating

Yacht's Name: "SILVER FOX" Sail Number: BA 12
 Owner: Craig Symonette Owner's Club:
 Designer: Lexen/Muir Date Completed:
 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: FRESH
 Difference in immersion (class rule 5): 0:00.7 (metres)

Classification Society: American Bureau of Shipping
 Expiration date of classification certificate:

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

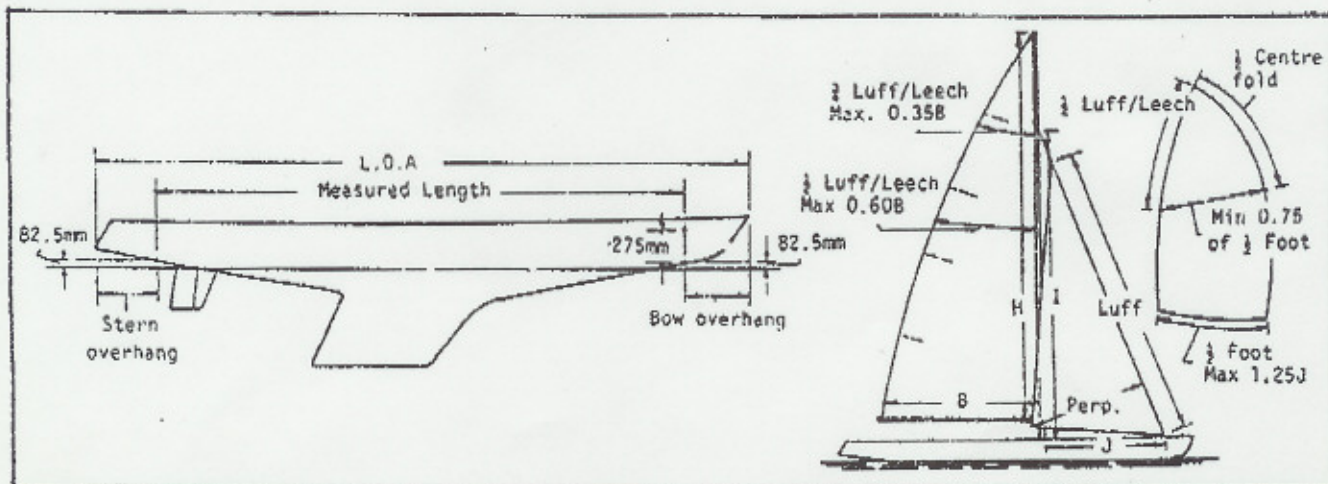
Signature	Date	Item No
<u>Samuel S. Leyser</u>	<u>12 Aug 89</u>	<u>Full</u>
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Expiration date of rating certificate:
 Re-Rated:

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: Samuel S. Leyser
 Signature of designer or builder: Harry Melges Jr
 Signature of owner or representative:

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



Item No.		Actual	Rule Limits	Rule No.
HULL				
1	Immersion checked in salt/fresh water	FRESH date	11 Aug 89	5,24
2	Weight of inside ballast placed at	NIL		27
3	Beam	1.902	min. 1.90m	2,8
4	Max. Draft	1.336	max. 1.35m	2
5	Freeboard at bow girth station	0.757		4
6	Freeboard at stern girth station	0.563		4
7	Freeboard at midship mark	0.613		4
8	Freeboard average	0.644	min. 0.63m	4
9	Keel and ballast materials	LEAD	lead or iron	9(iii)
10	Keel height of round at bottom	N.A.	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	160	min. 150mm	9(iv)
12	Stern angle	1:5.5	min. 1 in 5.5	11
13	Round of beams	3	max. 7mm in 305mm	12
14	Tumblehome	0		13
15	Deduct 2% of max. beam			
16	Excess tumblehome	0	3 x excess added to rating	13
17	Area of deck openings	2.246	max. 2.25m ²	21
18	Cockpit forward of LI mark	2.302	min. 1.75m	22
19	Breadth of side decks	37.5	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	0.680	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)	2.692	max. 0.50 x $\sqrt{5}$	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9.561		14
25	Spinnaker, halliard above forestay	9	max. 10cm	17
26	Spinnaker halliard out from mast	3	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	10.4 x 14.1	min. 11.5cm	19
31	Mast diameter at deck, round mast	10.4 x 14.2	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	9.6 x 13.3	min. 9.2cm	19
33	Mast diameter at top, round mast	6.2 x 10.7	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	22.6	min. 16kgs	19
35	Boom depth	11.10	max. 15.2cm	20
36	Boom width	7.20	min. 3.8cm	20

Item No.		Actual	Rule Limits	Rule No.	
	MISCELLANEOUS				
37	Weight of anchor	11.8	max. 13kg	min. 11kg	23
38	Length of warp (min. diameter 9mm)	30.5	min. 30m		23
39	Top of I marks above water with yacht in racing trim				5
Item No.		Actual Measures		Rule Limits	
	LENGTH L FOR RATING				
40	Overall length L.O.A.		9.522		
41	Bow overhang to L ₁	0.967			
42	Stern overhang L ₂	1.136			
43	Total overhang	add →	2.103		
44	Measured length L ₁		subtract		
45	Girth at bow	0.660	7.419		
46	Twice vertical height at bow (=0.550m)	0.550	subtract		
47	Bow girth difference	→	0.165	min. 0.165m (rule 3)	
48	Girth at stern	1.655			
49	Twice vertical height at stern	0.960	subtract		
50	Stern girth difference	0.695			
51	1/3 stern girth difference	div. by 3 →	0.234	min. 0.234m (rule 3)	
52	Length L for rating formula		add ↓	7.818	
	SAIL AREA FOR RATING				
53	Largest headsail = 0.5 x 8.140 (luff) x 2.322 (perp)		9.764	min. see item 24	
54	Mainail = 0.5 x 10.425 (h) x 3.630 (B)		19.234	min 26.5m ² (rule 2)	
55	Total sail area S		add ↓	28.998	
56	√S			max. 29.6m ²	
	DISPLACEMENT				
57	Weight of yacht (date when weighed) 12 AUG 89		2008.		
58	Displacement D = weight div. by 1025.21kg/m ³			min. 1.7m ³ (rule 2)	
59	√D			max 2.0m ³	
	RATING				
60	Rating calculated according to formula		5.495		
61	3 x tumblehome excess	0	add ↓	(rule 13)	
62	FINAL RATING			5.495	