



INTERNATIONAL FIVE POINT FIVE METRE CLASS

MEASUREMENT FORM AND CERTIFICATE OF RATING

Yacht's Name:

Sail Number:

L-39

Owner: HENRIK DAHLMAN

Owner's Club:

Designer: LEXCEN - MUIR

Date Completed:

28 JAN 92

IYRU Plaque No:

Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: FRESH (State fresh or salt)

Difference in immersion (Class Rule 23): 0.007 (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

Expiration date of Certificate of Rating:

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. Gilliland 2/13/92

Signature of designer or builder:

David E. Mulgro 2/13/92

Signature of owner or representative:

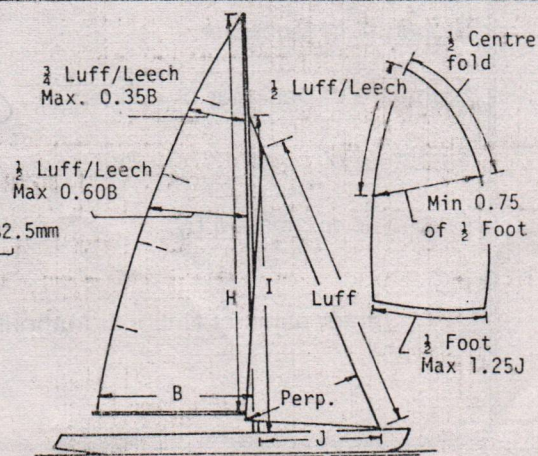
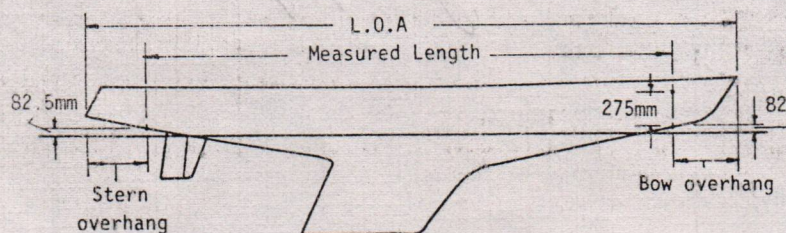
Certificate authorised by:

Date:

For:

(enter name of National Authority)

Item No	Rule No	Measurement	Min	Actual	Max
1	23(e)	HULL Immersion checked in salt fresh water (Date)		22 JAN 92	
2	13	Weight of inside ballast placed at _____		NA	
3	5	Beam	1.90m	1.92	
4	2	Max. Draft		1.34	1.35m
5	4	Freeboard at bow girth station		.783	
6	4	Freeboard at stern girth station		.561	
7	4	Freeboard at midship mark		.621	
8	4	Freeboard average (Item (5+6+7)+3)	0.628m	.655	
9	14(iii)	Keel and ballast materials (lead or iron)		LEAD	
10	14(iv)	Keel height of round at bottom	75mm	NA	
11	14(iv)	Maximum section width down to 1m from LWL	150mm	165	
12	8	Stern angle	1 in 5.5	1 IN 5.5	
13	9	Round of beams		3	7mm in 305mm
14	10	Tumblehome		0	
15	10	2% of max. beam		—	
16	10	Excess tumblehome (Item 14-15)		—	
17	11	Area of deck openings		2.25	2.25m ²
18	12	Cockpit forward of L1 mark	1.75m	2.30	
19	11	Breadth of side decks	35cm	39	



Item No	Rule No	Measurement	Min	Actual	Max
20	16	SAILS AND RIGGING Height of sailplan above covering board level		11.10	11.10m
21	18	Height of boom (black band) above covering board level	0.5m	.67	0.85m
22	17	Height of fore triangle above covering board level (I)		8.87	8.88m
23	16	Base of fore triangle (J) (Deck black band to be checked)		2.68	0.50 x $\sqrt{S}$
24	16	Min. Headsail for measurement purposes = 0.5 x I x J x 80%		9.51	
25	19	Spinnaker, halliard above forestay		9	10cm
26	19	Spinnaker halliard out from mast		2	3cm
27	19	Spinnaker breadth of half the foot		3.35	1.25 x J
28	19	Storm spinnaker, breadth of half the foot		2.68	J
29	20	Spinnaker boom length		2.675	J
30	21	Mast diameter at ½ ht. of fore triangle, round mast	11.5cm	10.4 x 14.1	
31	21	Mast diameter at deck, round mast	10.9cm	10.4 x 14.1	
32	21	Mast diameter at jib halliards, round mast	9.2cm	9.6 x 13.9	
33	21	Mast diameter at top, round mast	5.8cm	6.1 x 10.5	
		(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	21	Tip weight of mast	16kgs	21	
35	22	Boom depth		11.1	15.2cm
36	22	Boom width	3.8cm	7.1	
		MISCELLANEOUS			
37	29	Weight of anchor	11kgs	12	13kgs
38	29	Length of warp (min. diameter 9mm)	30m	31	
39	23	Top of I marks above water with yacht in racing trim			

Item No	Rule No	Measurement	Min	Actual	Max
LENGTH L FOR RATING					
40	3	Overall length LOA		9.525	
41	3	Bow Overhang L_1		.989	
42	3	Stern Overhang L_2		1.112	
43	3	Total Overhang (Item 41+42)		2.101	
44	3	Measured Length L_1 (Item 40-43)		7.424	
45	3	Girth at bow		.67	
46	3	Twice Vertical height at bow (= 0.55m)		.55	
47	3	Bow girth difference (Item 45-46)	165mm	.12	
48	3	Girth at stern		1.655	
49	3	Twice vertical height at stern		.956	
50	3	Stern girth difference (Item 48-49)		.699	
51	3	1/3 stern girth difference (50 divided by 3)	234mm	.233	
52	3	Length L for rating formula (Item 44+47+51)		7.823	
SAIL AREA FOR RATING					
53	17	Largest headsail = $0.5 \times \underline{8.26}$ (luff) $\times \underline{2.34}$ (perp)	Item 24	9.66	
54	18	Mainsail = $0.5 \times \underline{10.43}$ (H) $\times \underline{3.69}$ (B)		19.24	
55	2	Total sail area S (53+54)	26.5m ²	28.90	29.0m ²
56		$\sqrt{S}$		5.376	
DISPLACEMENT					
57	13	Weight of yacht (date when weighed) <u>28 JAN 92</u>		2002	
58	13	Displacement D = weight $\div$ 1025.21kg/m ³	1.7m ³	1.95	2.0m ³
59	13	$\sqrt[3]{D}$		1.249	
RATING					
60	2	Rating calculated according to formula		5.495	
61	10	3 x tumblehome excess (add to Item 60 for final rating)		—	
62	2	FINAL RATING		5.495	