



INTERNATIONAL
YACHT RACING
UNION

INTERNATIONAL FIVE POINT FIVE METRE CLASS

MEASUREMENT FORM AND CERTIFICATE OF RATING

Yacht's Name: Sail Number: SUI 142
Owner: Janet Schenker Owner's Club: TYC
Designer: Butter Chance Date Completed: 1983
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: Bureau Veritas
Expiration date of Classification Certificate: n/a

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

Signature	Date	Item No
<u>[Signature]</u>	<u>18.5.95</u>	<u>12, 4, 11, 17</u>
<u>Signed 4.4.85 Translemon SA, Genève</u>		

Expiration date of Certificate of Rating: 18.5.97

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] **USY-Vorm.** **O. Weber**

Signature of designer or builder: [Signature] **CH-8802 Kilchberg/ZH**

Signature of owner or representative: [Signature]

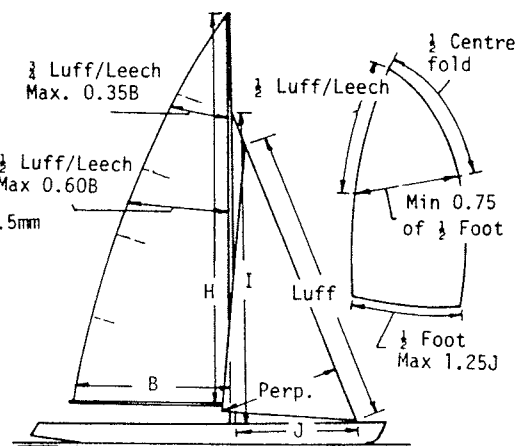
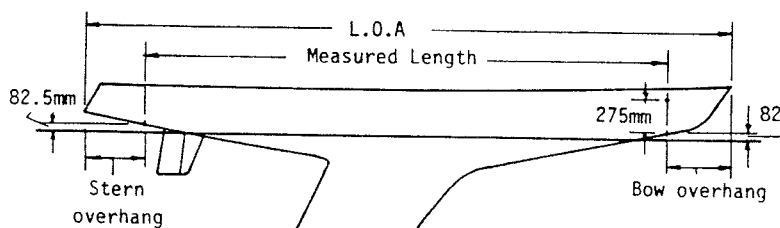
Certificate authorised by: Date:

For:
(enter name of National Authority)

CT.FSV-USV 15.01.96
[Signature]

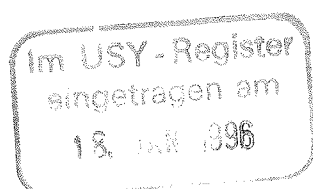
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Item No	Rule No	Measurement	Min	Actual	Max
1	23(e)	HULL Immersion checked in salt/fresh water (Date)		<i>fresh.</i>	
2	13	Weight of inside ballast placed at <u><i>center</i></u>		<i>42 kg.</i>	
3	5	Beam	1.90m	<i>1.900</i>	
4	2	Max. Draft		<i>1.350</i>	1.35m
5	4	Freeboard at bow girth station		<i>0.664</i>	
6	4	Freeboard at stern girth station		<i>0.605</i>	
7	4	Freeboard at midship mark		<i>0.622</i>	
8	4	Freeboard average (Item 5+6+7)	6.28m	<i>0.630</i>	
9	14(iii)	Keel and ballast materials (lead or iron)		<i>lead</i>	
10	14(iv)	Keel height of round at bottom	75mm	<i>nil</i>	
11	14(iv)	Maximum section width down to 1m from LWL	150mm	<i>0.155</i>	
12	8	Stern angle	1 in 5.5	<i>0.286</i>	
13	9	Round of beams	<i>0.182</i>	<i>nil</i>	7mm in 305mm
14	10	Tumblehome		<i>0.015</i>	
15		Deduct 2% of max. beam		<i>0.038</i>	
16	10	Excess tumblehome (Item 16-15)		<i>nil</i>	
17	11	Area of deck openings		<i>2.15</i>	2.25m ²
18	12	Cockpit forward of L1 mark	1.75m	<i>2.300</i>	
19	11	Breadth of side decks	35cm	<i>0.570</i>	



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m	Rule No	Measurement	Min	Actual	Max
10	16	SAILS AND RIGGING Height of sailplan above covering board level		11.100	11.10m
11	18	Height of boom (black band) above covering board level	0.5m	1.708	0.85m
12	17	Height of fore triangle above covering board level (I)		8.880	8.88m
13	16	Base of fore triangle (J) (Deck black band to be checked)		2.692	0.50 x \sqrt{S}
14	16	Min. Headsail for measurement purposes = 0.5 x I x J x 80%		9.562	
15	19	Spinnaker, halliard above forestay		0.095	10cm
16	19	Spinnaker halliard out from mast		0.080	3cm
17	19	Spinnaker breadth of half the foot		3.365	1.25 x J
18	19	Storm spinnaker, breadth of half the foot		2.692	J
19	20	Spinnaker boom length		2.692	J
20	21	Mast diameter at 1/2 ht. of fore triangle, round mast	11.5cm	125/103	
21	21	Mast diameter at deck, round mast	10.9cm	124/103	
22	21	Mast diameter at jib halliards, round mast	9.2cm	125/100	
23	21	Mast diameter at top, round mast	5.8cm	80/90	
		(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
24	21	Tip weight of mast	16kgs	17 kg	
25	22	Boom depth		105	15.2cm
26	22	Boom width	3.8cm	0.70	
		MISCELLANEOUS			
27	29	Weight of anchor	11kgs	12 kg	13kgs
28	29	Length of warp (min. diameter 9mm)	30m	30 m	
29	23	Top of I marks above water with yacht in racing trim		5	



Item No.	Rule No.	Measurement	Min	Actual	Max
LENGTH L FOR RATING					
40	3	Overall length LOA		8,977	
41	3	Bow Overhang L ₁	708		
42	3	Stern Overhang L ₂	784		
43	3	Total Overhang (Item 41+42)		1,692	
44	3	Measured Length L ₁ (Item 40-43)		7,285	
45	3	Girth at bow	710		
46	3	Twice Vertical height at bow (= 0.55m)	1,550		
47	3	Bow girth difference (Item 45-46)	165mm	165	min
48	3	Girth at stern		1,775	
49	3	Twice vertical height at stern		1,080	
50	3	Stern girth difference (Item 48-49)		695	
51	3	1/3 stern girth difference (50 divided by 3)	234mm	234	min
52	3	Length L for rating formula (Item 44+47+51)		7,684	
SAIL AREA FOR RATING					
53	17	Largest headsail = 0.5 x <u>10.392</u> (luff) x <u>5.741</u> (perp)	Item 24	9.562	
54	18	Mainsail = 0.5 x ____ (H) x ____ (B)		19.428	
55	2	Total sail area S (53+54)	26.5m ²	29.000	29.0m ²
56		\sqrt{S}		5.385	
DISPLACEMENT					
57	13	Weight of yacht (date when weighed) <u>20,595</u>		1895 kg	
58	13	Displacement D = weight ÷ 1025.21kg/m ³	1.7m ³	1.849	2.0m ³
59	13	$\sqrt[3]{D}$		1.227	
RATING					
60	2	Rating calculated according to formula		5.470	
61	10	3 x tumblehome excess (add to Item 60 for final rating)		m1	
62	2	FINAL RATING		5.470	

