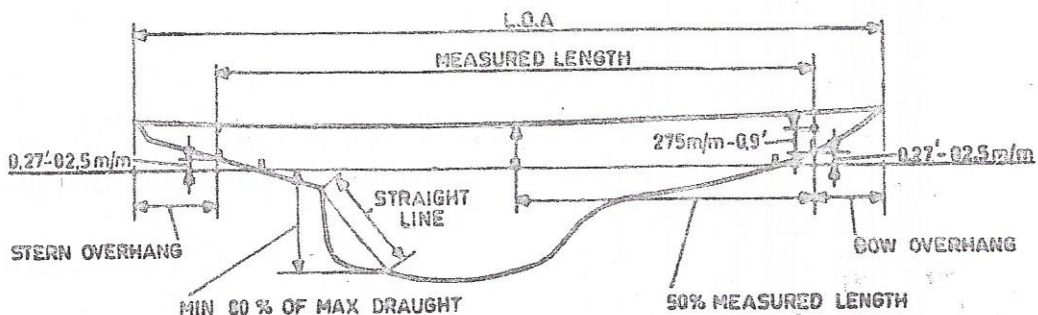
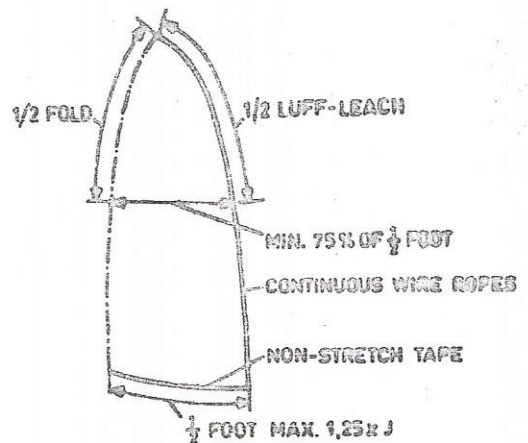
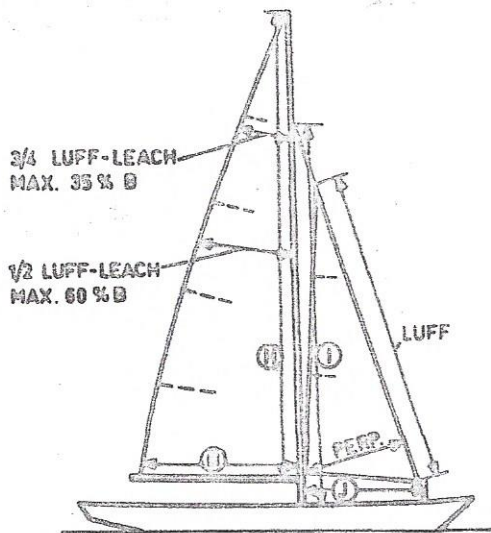


# THE INTERNATIONAL 5.5 METRE CLASS CERTIFICATE OF RATING

Yacht's name <u>JOHN B Weps</u>	Classification society <u>GERMAN LLOYDS</u>
Permanent sail number <u>BAT 554</u>	Expiration date of classification certificate <u>15 JUNE 69</u>
Owner <u>ROBERT SYMONETTE, Esq</u> <i>Bertil Johansson</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date _____
Owner's club <u>NASSAU YACHT CLUB Sweden</u>	<b>MEASUREMENT</b> <u>25 Nov 1967</u>
Designer <u>A.E. LUDERS, JR.</u>	<i>(PARTIAL MEAS.)</i> <u>1 Nov 68</u>
Builder <u>SUNE CARLSSON BATBARV AB</u>	<i>(MAIN BOOM &amp; LUFF)</i> _____
Date completed <u>15 JUNE 1967</u>	<i>(RE-MEASURED)</i> <u>24.6.71</u>
Condition of water when marks were sighted State fresh or salt <u>SALT</u>	<i>(RE-MEASURED)</i> <u>13.6.71</u>
Difference in immersion (class rule 5) <u>NONE</u>	(metres) _____
Has designer's or builder's declaration been furnished <u>YES</u>	Expiration date of rating certificate
I declare that the particulars given on this certificate are correct at this date	<u>25 Nov 1967</u>
Signature of designer or builder <i>A.E. Luders Jr.</i>	<i>CLASSIFICATION CERTIFICATE REMOVED TO RATED MEAS. CASE REVALIDATED TO JULY 1968</i>
Signature of owner or his representative <i>Robert Symonette</i>	for <u>BANHAM YACHTING ASSOCIATION</u> (National Authority)
(The designer or builder is only responsible for measurements at the date they are taken)	
Certificate authorised by <i>[Signature]</i>	



## RULE PARTICULARS

	Actual <sup>(x)</sup>	Rule limits	Rule No.
HULL			
Immersion checked in salt/ <del>fresh</del> water	25 Nov. 67 date		5;27
Weight of inside ballast placed at <u>MIDSHAIPS</u>	20	xx)	6;33
Beam	6.24	min. 1.90m or 6.23 ft.	7;9
Draft	4.43	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	2.42		
" at stern girth station	1.88		
" at midship mark	1.97		
" average	2.09	min. 0.63m or 2.06ft.	
Keel, ballast material	LEAD	lead or iron	10
" ht. of round at bottom	.21	max. 75mm, or 3 in.	10
" width at max. section 1 metre below L.W.L.	.49	min. 150mm, or 5.9in.	10
Stern angle	.13	min. 1 in 5.5	12
Round of beams	.00	max. 7mm, in 305mm, or 00.25in. in 12in.	13
Tumble home	.090		14
2% of max. beam	.125		
Excess tumble home	subtract → .00	3 x excess added to rating	14
Area of deck openings	< 24.25	max. 2.25m <sup>2</sup> or 24.25 sq. ft.	24
Cockpit forward of L1 mark	5.95	min. 1.75m or 5.74ft.	25
Breadth of side decks	1.36	min. 35cm or 1.15ft.	24
SAILS & RIGGING			
Height of sailplan above covering board level	36.40	max. 11.10m or 36.4ft.	16
" " boom (black band) above covering board level	2.46	max. 0.85m or 2.795ft.	17
" " fore triangle above covering board level	29.11 (1) mtr	max. 8.88m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	8.83	max. 0.50 x S	16
Min. headsail for measurement purposes = 0.5 x I x J x 80%	102.8		15
Spinnaker, halliard above forestay	.30	max. 10cm or 3.9in.	20
" " out from mast	.10	max. 3cm or 1.18in.	20
" breadth of halt the foot	11.04	max. 1.25 x J	20
Storm spinnaker, breadth of halt the foot	8.83	max. J	20
Spinnaker boom length	8.83	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast	> 4.52	min. 11.5cm or 4.52 in.	22
" " at deck " "	> 4.30	min. 10.9cm or 4.30in.	22
" " at jib halliards " "	> 3.02	min. 9.2cm or 3.62in.	22
" " at top " "	> 2.26	min. 5.8cm or 2.26in.	22
(The athwartships diameters of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	88	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	> 382	min. 38% of mast ht.	22
Boom depth	.46	max. 15.2cm or 6in.	23
Boom width	.20	min. 3.8cm or 1.5in.	23
MISCELLANEOUS			
Weight of anchor	26.45	max. 13kgs or 26.45lbs min. 11kgs or 24.24lbs	26
Length of warp		min. 30m or 16.4 fathoms	26
Top of I marks above water with yacht in racing trim	16.4		5

YES



RATING FORMULA :  $0.9 \left( \frac{L\sqrt{S}}{12\sqrt[3]{D}} + \frac{L+\sqrt{S}}{4} \right)$  not to exceed 5.5 m or 18.04 ft.

	Actual measures		Rule limits
<b>LENGTH L FOR RATING</b>		<b>31.38</b>	
Overall length L.O.A.			
Bow overhang to L <sub>1</sub>	3.28		
Stern overhang to L <sub>1</sub>	3.64		
Total overhang	add	6.92	
Measured length L <sub>1</sub>		subtract 24.46	
Girth at bow	2.34		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	1.80		
Bow girth difference	subtract	.54	min. 0.165 m or 0.541 ft. (rule 3)
Girth at stem	5.52		
Twice vertical height at stem	3.22		
Stern girth difference	subtract		
1/3 stern girth difference	2.30		
	div. by 3	.77	min. 0.234 m or 0.769 ft. (rule 5)
Length L for rating formula		add	
			<b>25.77</b>
<b>SAIL AREA FOR RATING</b>			
Largest headsail = 0.5 x _____ (luff) x _____ (perp)		102.8	min. see next page
Mainsail = 0.5 x <del>33.34</del> (H) x <del>12.53</del> (D)		209.2	min. 26.5 m <sup>2</sup> or 285.0 sq. ft. (rule 7)
Total sail area S	34.76 x 12.00	add	max. 29.0 m <sup>2</sup> or 312.0 sq. ft.
$\sqrt{S}$			<b>17.66</b>
<b>DISPLACEMENT</b>			
Weight of yacht (date when weighed <u>4520</u> )			
			<b>70.62</b>
Displacement D = weight div. by 1025.21 kg/m <sup>3</sup> or 64 lbs/cu. ft.			min. 1.7 m <sup>3</sup> or 60.27 cu. ft. (rule 7) max. 2.0 m <sup>3</sup> or 70.62 cu. ft.
$\sqrt[3]{D}$			
<b>RATING</b>			
Rating calc'd according to formula		18.04	
3 x tumble home excess		—	(rule 14)
FINAL RATING		add	<b>18.04</b>