

International 5.5 Metre Class Certificate of Rating

Yacht's Name: TIGER Sail Number: Z-108
 Owner: A. JOHNSON Owner's Club: CNP
 Designer: R. CHANCE jun. Date Completed: August 20th 1987
 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): 0.006 (metres)

Classification Society:
 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 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.

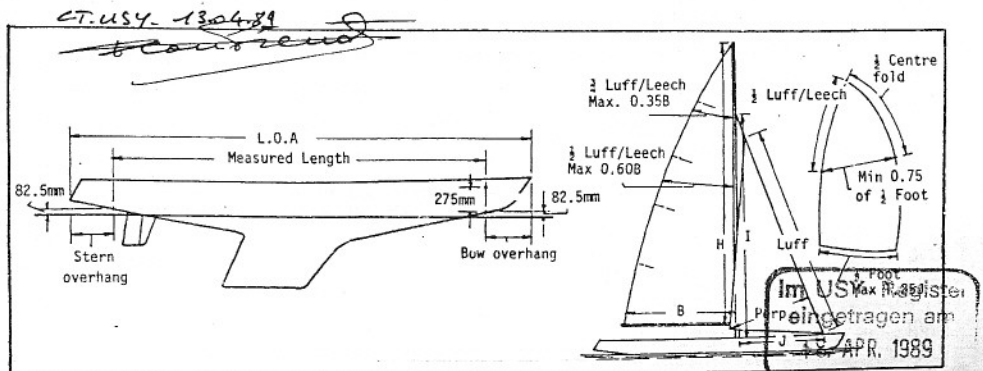
Signature of Measurer: ARTOML

Signature of designer or builder:

Signature of owner or representative:

Certificate authorised by: Date:

For: (enter name of National Authority)



		Actual	Rule Limits	Rule No.
	HULL			
1	Immersion checked in salt/fresh water	date <u>VII 87</u>		5,24
2	Weight of inside ballast placed at <u>back of mast</u>	<u>64</u>	kg.	27
3	Beam	<u>1.920</u>	min. 1.90m	2,8
4	Max. Draft	<u>1.322</u>	max. 1.35m	2
5	Freeboard at bow girth station	<u>0.709</u>		4
6	Freeboard at stern girth station	<u>0.556</u>		4
7	Freeboard at midship mark	<u>0.612</u>		4
8	Freeboard average	<u>0.628</u>	min. 0.63m	4
9	Keel and ballast materials	<u>lead</u>	lead or iron	9(iii)
10	Keel height of round at bottom	<u>>75</u>	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	<u>155</u>	min. 150mm	9(iv)
12	Stern angle	<u>>1:5.5</u>	min. 1 in 5.5	11
13	Round of beams	<u>—</u>	max. 7mm in 305mm	12
14	Tumblehome	<u>—</u>		13
15	Deduct 2% of max. beam	<u>—</u>		
16	Excess tumblehome	<u>—</u>	3 x excess added to rating	13
17	Area of deck openings	<u>2.20</u>	max. 2.25m ²	21
18	Cockpit forward of L1 mark	<u>1.908</u>	min. 1.75m	22
19	Breadth of side decks	<u>0.350</u>	min. 35cm	21
	SAILS AND RIGGING			
20	Height of sailplan above covering board level	<u>11.10</u>	max. 11.10m	14
21	Height of boom (black band) above covering board level	<u>0.500</u>	max. 0.85m min. 0.50m	16
22	Height of fore triangle above covering board level (1)	<u>8.88</u>	max. 8.88m	15
23	Base of fore triangle (J) (Deck black band to be checked)	<u>2.661</u>	max. 0.50 x \sqrt{S}	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	<u>9.452</u>		14
25	Spinnaker, halliard above forestay	<u>0.100</u>	max. 10cm	17
26	Spinnaker halliard out from mast	<u>0.030</u>	max. 3cm	17
27	Spinnaker breadth of half the foot	<u>3.326</u>	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	<u>2.261</u>	max. J	17
29	Spinnaker boom length	<u>2.261</u>	max. J	18
30	Mast diameter at 1/2 ht. of fore triangle, round mast	<u>102x142</u>	min. 11.5cm	19
31	Mast diameter at deck, round mast	<u>102x122</u>	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	<u>9.9x122</u>	min. 9.2cm	19
33	Mast diameter at top, round mast	<u>80x88</u>	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	<u>✓</u>	min. 16kgs	19
35	Boom depth	<u>✓</u>	max. 15.2cm	20
36	Boom width	<u>✓</u>	min. 3.8cm	20

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		Actual	Rule Limits	Rule No.
MISCELLANEOUS				
	Weight of anchor	13 kg	max. 13kgs min. 11kgs	23
38	Length of warp (min. diameter 9mm)	30 m	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.		9.060	
41	Bow overhang to L ₁	0.770		
42	Stern overhang L ₁	0.828		
43	Total overhang	add →	1.598	
44	Measured length L ₁		subtract 7.462	
46	Girth at bow	0.715		
46	Twice vertical height at bow (=0.550m)	0.550		
47	Bow girth difference	subtract ↳	0.165	min. 0.165m (rule 3)
48	Girth at stern	1.484		
49	Twice vertical height at stern	0.947		
50	Stern girth difference	subtract 0.537		
51	1/3 stern girth difference	div. by 3 ↳	0.234	min. 0.234m (rule 3)
52	Length L for rating formula		add ↳	7.861
SAIL AREA FOR RATING				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.452	min. see item 24
54	Mainsail = 0.5 x 10.60 (H) x 3.564 (E)		18.889	min. 26.5m ² (rule 2)
56	Total sail area S		add ↳	28.341
	√S			5.324
DISPLACEMENT				
57	Weight of yacht (date when weighed): 22. VII. 87		1.95007	
58	Displacement D = weight div. by 1025.21kg/m ³			1.902
59	$\sqrt[3]{D}$			1.239
RATING				
60	Rating calculated according to formula		5.500	
61	3 x tumblehome excess		— add	(rule 13)
62	FINAL RATING		↳	5.500

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