

No 16
U.S.Y.

Abschnitt der U.S.Y. einsenden
Talon à envoyer au secrétariat de l'U.S.Y.

Ich habe verlängert am
J'ai prolongé en date du 21.8.91

den Messbrief der Yacht
le certificat de jauge du yacht

Name:
Nom: Rana

Rennnummer:
No de course: 552160

Besitzer:
Propriétaire: F. Bifus

Bis
Jusqu'à 20.8.93

USY - Verm.
Der Vermesser
Le jaugeur
O. Weber
OH-8602 Kilchberg/ZH

Im USY-Register
eingetragen am
23. JUL 1992

UNION SCHWEIZERISCHER YACHTCLUBS

Eigenerwechsel

Klasse Série 5.5m JT
Segel-Nr. No de voile SUIT 160
bisheriger Bootsname ancien nom du yacht Rana
neuer Bootsname nouveau nom du yacht Seline III
Baujahr Année de constr. 1989
Bauwert Chantier Melges Zonda USA

UNION SUISSE DU YACHTING

Changement de propriétaire

Neuer Eigner
Nouveau propriétaire Paolo Brenni
Name Nom
Club CVh
Adresse Via Frasca No Lugano
Datum Date 28.6.99
Der Vermesser Le jaugeur USY Vermesser 25

valable
jusqu'à 27.6.2000

Im USY-Register
eingetragen am
5. JULI 1999

International 5.5 Metre Class Certificate of Rating

Yacht's Name: Rana Sail Number: Z 160
 Owner: F. Bibus Owner's Club: ZYC
 Designer: lexen/Muir Date Completed: march 1989
 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): 0.007 (metres)

Classification Society: American Bureau of Shipping
 Expiration date of classification certificate: 1/1/91 (rule 25)

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

Signature	Date	Item No
<u>USY - Verm.</u>	<u>21/July 89</u>	<u>1-8, 40-62</u>
<u>O. Weber</u>	<u>3rd of April 89</u>	<u>9-38</u>
<u>CH-8802 Kilchberg/ZH</u> <i>US-Measurer Samuel Kojin</i>	<u>20. of August 1991</u>	

Expiration date of rating certificate: 20. of August 1991
 Re-Rated:

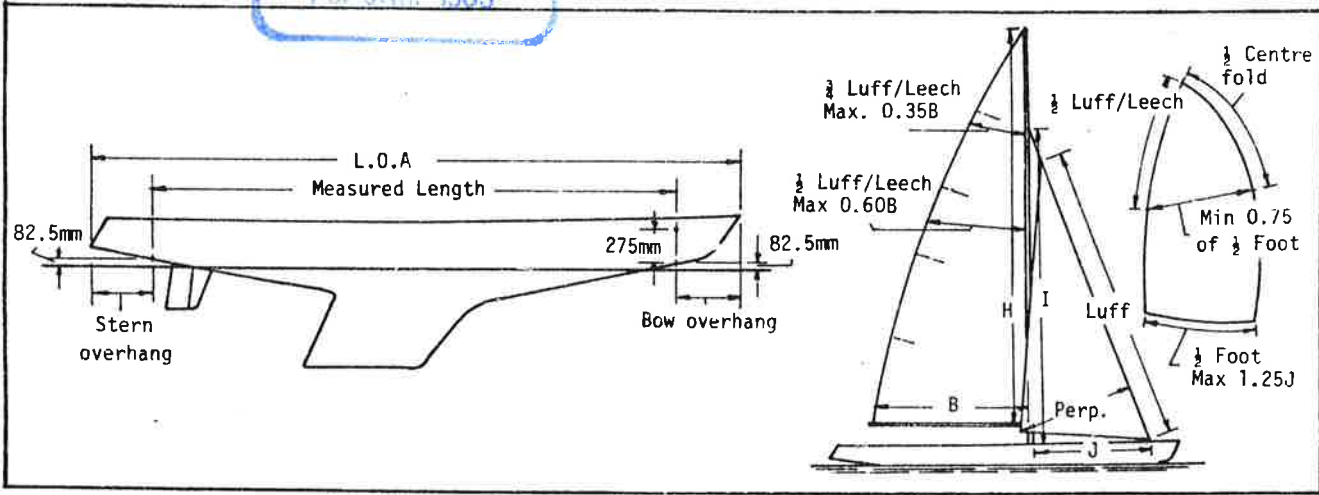
I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer:

Signature of designer or builder: Sign. J. Helges, Zenda, USA

Signature of owner or representative:

Certificate authorised by: USY Date:
 For: eingetragen am (enter name of National Authority)
15. JAN. 1989



Item No.		Actual	Rule Limits	Rule No.
	HULL			
1	Immersion checked in salt/fresh water	date 20. 8. 89		5,24
2	Weight of inside ballast placed at <u>just behind aft</u>	44 kg		27
3	Beam	1,900	min. 1.90m	2,8
4	Max. Draft	1,340	max. 1.35m	2
5	Freeboard at bow girth station	.738		4
6	Freeboard at stern girth station	.571		4
7	Freeboard at midship mark	.625		4
8	Freeboard average	0.645	min. 0.63m	4
9	Keel and ballast materials	lead	lead or iron	9(iii)
10	Keel height of round at bottom	∅	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	0.155	min. 150mm	9(iv)
12	Stern angle	0.219	min. 1 in 5.5 = 0.182	11
13	Round of beams	0.003	max. 7mm in 305mm	12
14	Tumblehome	∅		13
15	Deduct 2% of max. beam	-		
16	Excess tumblehome	∅	3 x excess added to rating	13
17	Area of deck openings	2,246	max. 2.25m ²	21
18	Cockpit forward of L1 mark	2,280	min. 1.75m	22
19	Breadth of side decks	2,370	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	0.675	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)	2,682	max. 0.50 x √S	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9,525		14
25	Spinnaker, halliard above forestay	0.095	max. 10cm	17
26	Spinnaker halliard out from mast	0.080	max. 3cm	17
27	Spinnaker breadth of half the foot	3.353	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2,682	max. J	17
29	Spinnaker boom length	2,681	max. J	18
30	Mast diameter at ½ ht. of fore triangle, round mast	14 x 10.5	min. 11.5cm	19
31	Mast diameter at deck, round mast	14 x 10.5	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	133 x 9.5	min. 9.2cm	19
33	Mast diameter at top, round mast	6 x 100	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	21 kg	min. 16kgs	19
35	Boom depth	11.5	max. 15.2cm	20
36	Boom width	7.5	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	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.		9.525	
41	Bow overhang to L ₁	0.892		
42	Stern overhang L ₁	1.189		
43	Total overhang	add	2.081	
44	Measured length L ₁		subtract 7.444	
45	Girth at bow	0.644		
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	1.676		
49	Twice vertical height at stern	0.978		
50	Stern girth difference	subtract 0.698		
51	1/3 stern girth difference	div. by 3	0.234	min. 0.234m (rule 3)
52	Length L for rating formula		add	
				<u>7.843</u>

SAIL AREA FOR RATING				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.525	min. see item 24
54	Main sail = 0.5 x <u>10.425</u> (H) x <u>3.690</u> (B)		19.234	min 26.5m ² (rule 2)
55	Total sail area S		add	max. 29.0m ²
	√S			<u>5.363</u>

DISPLACEMENT				
57	Weight of yacht (date when weighed) <u>21.8.89</u>		1,995	
58	Displacement D = weight div. by 1025.21kg/m ³			min. 1.7m ³ (rule 2)
59	√D			max 2.0m ³
				<u>1.249</u>

RATING				
60	Rating calculated according to formula		5.497	
61	3 x tumblehome excess			(rule 13)
			add	

62	FINAL RATING			<u>5.50</u>
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