

No:

2006-5

# Swiss Sailing

Fédération Suisse de la Voile  
Schweizerischer Segelverband

Autorité nationale  
Schweiz. Landesverband

Im Swiss Sailing - Register  
eingetragen am

19. MAI 2006

La validité du certificat de jauge du Yacht  
Die Gültigkeitsdauer des Messbriefs der Yacht

Nom du Yacht:

Name der Yacht:

Metsouiann

Série (No de course) :

Serie (Rennummer) :

5.5m SUI-173

Propriétaire:

Besitzer :

P.R. Klemm

est prolongé jusqu'au :

ist verlängert bis :

May 13, 2008

Le jaugeur :

Der Vermesser:

G. R. Perrin

**Guy-Roland Perrin**  
Swiss Sailing Measurer  
Technical Commission



# International 5.5 Metre Class Certificate of Rating

Yacht's Name: ..... Sail Number: Z 173  
 Owner: P. B. Klemm Owner's Club: CVS NG  
 Designer: C. Chumbelain Date Completed: Sept. 1985  
 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: Bureau Veritas, Paris  
 Expiration date of classification certificate: .....

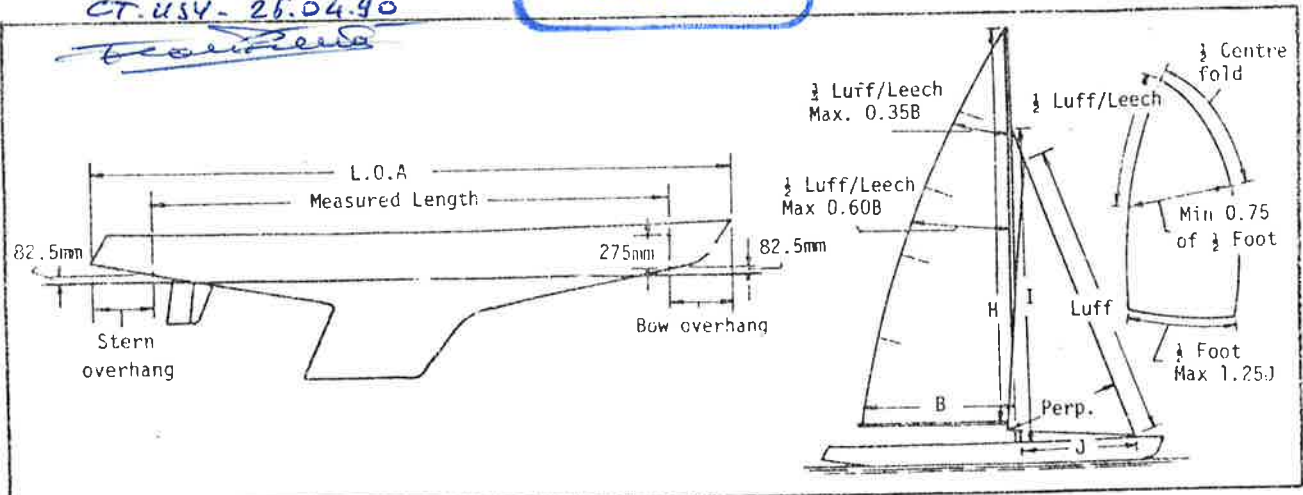
Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:  
 Signature USY-Verm. Date Item No  
O. Weber 9.4.90 1-61  
CH-8602 Kilchberg/ZH

Expiration date of rating certificate: .....  
 Re-Rated: .....

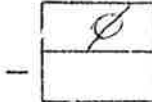
I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: [Signature]  
 Signature of designer or builder: [Signature]  
 Signature of owner or representative: [Signature]

Certificate authorised by: [Signature] Date: .....  
 For: ..... (enter name of National Authority)  
 In USY-Register eingetragen am 30. APR. 1990



CT. USY- 26.04.90  
[Signature]

Item No.		Actual	Rule Limits	Rule No.
	<b>HULL</b>			
1	Immersion checked in salt <u>fresh</u> water	date 9/4/90		5,24
2	Weight of inside ballast placed at <u>none</u>	∅		27
3	Beam	1,989	min. 1.90m	2,8
4	Max. Draft	1,321	max. 1.35m	2
5	Freeboard at bow girth station	0,842		"
6	Freeboard at stern girth station	0,588		4
7	Freeboard at midship mark	0,672		4
8	Freeboard average	0,698	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	0,158	min. 150mm	9(iv)
12	Stern angle	6,189	min. 1 in 5.5 = 0,182	11
13	Round of beams	∅	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	2,250	max. 2.25m <sup>2</sup>	21
18	Cockpit forward of 11 mark	2,300	min. 1.75m	22
19	Depth of side coxwain	0,400	min. 35cm	21
	<b>SALES AND RIGGING</b>			
20	Height of sailplan above covering board level	11,100	max. 11.10m	14
21	Height of boom (black band) above covering board level	0,600	max. 0.85m min. 0.50m	16
22	Height of fore triangle above covering board level (1)	8,850	max. 8.88m	15
23	Base of fore triangle (J) (Deck black band to be checked)	2,642	max. 0.50 x $\sqrt{J}$	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9,562		14
25	Spinnaker, halliard above forestay	0,100	max. 10cm	17
26	Spinnaker halliard out from mast	0,105	max. 3cm	17
27	Spinnaker breadth of half the foot	3,365	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2,692	max. J	17
29	Spinnaker boom length	2,692	max. J	18
30	Mast diameter at 1/2 ht. of fore triangle, round mast	138/110	min. 11.5cm	19
31	Mast diameter at deck, round mast	138/110	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	125/95	min. 9.2cm	19
33	Mast diameter at top, round mast	70/85	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	17kg	min. 16kgs	19
35	Boom depth	0,125	max. 15.2cm	20
36	Boom width	0,080	min. 3.8cm	20

Im USY - Register  
eingetragen am  
30. APR. 1990

Item No.		Actual	Rule Limits	Rule No.	
<b>MISCELLANEOUS</b>					
37	Weight of anchor	12kg	max. 13kg	min. 11kg	23
38	Length of warp (min. diameter 9mm)	30m	min. 30m		23
39	Top of I marks above water with yacht in racing trim	OK			5
Item No.		Actual Measures		Rule Limits	
<b>LENGTH L FOR RATING</b>					
40	Overall length L.O.A.		9,260		
41	Bow overhang to L <sub>1</sub>	1024			
42	Stern overhang L <sub>1</sub>	1022			
43	Total overhang	add	2046		
44	Measured length L <sub>1</sub>		subtract 7214		
45	Girth at bow	0,198			
46	Twice vertical height at bow (=0.550m)	0,550			
47	Bow girth difference	subtract	0,165 = min	min. 0.165m (rule 3)	
48	Girth at stern	1,774			
49	Twice vertical height at stern	1,010			
50	Stern girth difference	subtract			
51	1/3 stern girth difference	div. by 3	0,254	min. 0.234m (rule 3)	
52	Length L for rating formula	add	7,633		
<b>SAIL AREA FOR RATING</b>					
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		4,562 = min	min. see item 24	
54	Mainsail = 0.5 x 10,500 (A) x 3,702 (B)		19,438	min 26.5m <sup>2</sup> (rule 2)	
55	Total sail area S	add	29,000	max. 29.0m <sup>2</sup>	
56	√S		5,385		
<b>DISPLACEMENT</b>					
57	Weight of yacht (date when weighed) 9,490		1,780		
58	Displacement D = weight div. by 1025.21kg/m <sup>3</sup>		1,737	min. 1.7m <sup>3</sup> (rule 2)	
59	√D		4,202	max 2.0m <sup>3</sup>	
<b>RATING</b>					
60	Rating calculated according to formula		5,494		
61	3 x tumblehome excess	add		(rule 13)	
62	<b>FINAL RATING</b>		5,49		

Im USY-Register  
eingetragen am  
30. APR. 1990