



# INTERNATIONAL FIVE point FIVE METRE CLASS

Yacht's Name	<u>Satyre</u>		
Sail Number	<u>SUI184</u>	Club	<u>CNV</u>
Designer	<u>Lexcen / Muir</u>		
Builder	<u>Melges</u>	Building Year	<u>1989</u>
Owner	<u>François Dugerdil</u>		
Owner's Address	<u>rt. De Ferney 120, 1202 Genève</u>		
Veritas R class certificate (Number or Date)	<u>Am.Bur.of Shipping Jun 89</u>		

## RATING CERTIFICATE

This yacht has been measured by measurer(s) approved by this Authority and has been found to rate not more than 5.5 m.

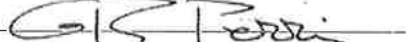
This certificate is dated October 10th. 2002, Geneva (CH)

and its validity confirms Guy-Roland Perrin, Swiss Sailing - ISAF Measurer

for Swiss Sailing Association (enter name of National Authority)

Valid until October 10th. 2004

Supersedes April 3rd. 1989 (enter former certif. number or date)

Signature 

Stamp of Authority


Item No	Rule No	Measurement	Min	Actual	Max
<b>HULL</b>					
1	23	Immersion checked in salt or fresh water		0.000	
		Difference of immersion with salt water		7mm	
2	13	Weight of inside ballast placed at _____		0.000	
3	5	Beam	1.90m	1.900	
4	2	Max draft		1.350	1.350m
5	4	Freeboard at bow girth station		0.752	
6	4	Freeboard at stern girth station		0.571	
7	4	Freeboard at midship mark	0.560m	0.630	
8	4	Freeboard average (item 5+6+7)	0.628m	0.651	
9	14(iii)	Keel and ballast material (lead or iron)		lead	
10	14(iv)	Keel height of round at bottom		na	
11	14(iv)	Maximum section width down to 1m below LWL		0.155	
12	8	Stern angle	1 in 5.5	1 in 4.4	
13	9	Round of beams (Max 7mm in 305 mm)		3mm	7mm
14	10	Tumblehome		0.000	
15		Deduct 2% of maximum beam		0.038	
16	10	Excess tumblehome (item 14-15)		0.000	
17	11	Area of deck opening		2.246	2.25m <sup>2</sup>
18	12	Cockpit forward of L1 mark	1.75m	2.302	
19	11	Breadth of side decks	0.350 m	0.370	
<b>MISCELLANEOUS</b>					
37	29	Weight of anchor	11.5kg	12.0	13kg
38	29	Length of wrap	30.5 m	ok	
39	23	Top of I marks above water with yacht in racing trim		ok	

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Item No	Rule No	Measurement	Min	Actual	Max
<b>SAILS AND RIGGING</b>					
20	16	Height of sail plan above covering board level		11.100	11.100m
21	18	Height of boom (black band) above covering board level	0.500m	0.675	0.850m
22	17	Height of foretriangle above covering board level (I)		8.880	8.880m
23	16	Base of foretriangle (J) (Deck black band to be checked)		2.681	2.680
24	16	Min.headsail for measurement purpose		9.523	
25	19	Spinnaker halyard above forestay		0.080	
26	19	Spinnaker halyard out from mast		0.020	
27	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.351	3.351
28	19	Storm spinnaker breadth of half foot		2.680	
29	19	Spinnaker boom length		2.649	
30	21	Mast diameter at 1/2 height of foretriangle	11.5cm	142x103	
31	21	Mast diameter at deck	10.9cm	142x103	
32	21	Mast diameter at jib halyard	9.2cm	135x96	
33	21	Mast diameter at top	5.8cm	101x62	
34	21	Tip weight of mast	16kg	20.0	
35	22	Boom depth		0.115	15.2cm
36	22	Boom width	3.8cm	0.075	
<b>LENGTH FOR RATING</b>					
40	3	Overall length LOA		9.525	
41	3	Overhang Forward to L1		0.889	
42	3	Overhang Aft to L1		1.189	
43	3	Total Overhang (Substract)		2.078	
44	3	MEASURED LENGTH (L1 L1)		7.447	
45	3	Girth at Bow		0.651	
46	3	Twice vertical Height at Bow (Substract)		0.550	
47	3	O at Bow	0.165m	0.165	
48	3	Girth at Stern		1.684	
49	3	Twice vertical Height at Stern (Substract)		0.977	
50	3	O at Stern		0.707	
51	3	Add 1/3 O at Stern	0.234m	0.236	
52	3	Correct lenght		7.848	
<b>SAIL AREA FOR RATING</b>					
53	17	Largest headsail [m2]	9.523	9.522	9.522
54	18	Mainsail (Height)		H: 10.425	
		Mainsail (between mast and boom band)		B: 3.685	
		1/4 main sail girth (Including rope max 35% of B)		1.290	
		1/2 main sail girth (Including rope max 60% of B)		2.211	
55	2	Total sail area S (53+54)	26.5m2	28.730	29.0m2
56	2	Square root of S		5.360	
<b>DISPLACEMENT</b>					
57	13	Weight of yacht		1993	
58	13	Displacement D=weight/1025.21	1.7m3	1.944	2.0m3
59	13	Cubic root of D		1.248	
<b>RATING</b>					
60	2	Rating calculated according to formula		5.500	
61	10	3x tumblehome excess (add to item 60 for final rating)		0.000	
62	2	<b>FINAL RATING</b>		<b>5.500</b>	

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Signature		Stamp of Authority	

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