



INTERNATIONAL FIVE point FIVE METRE CLASS

81

Yacht's Name	<u>Satyre</u>		Club	<u>CNV</u>
Sail Number	<u>SUI 81</u>			
Designer	<u>Luders</u>			
Builder	<u>Bjarne Aas Ltd.</u>	Building Year	<u>1983</u>	
Owner	<u>Francois Dugerdil</u>			
Owner's Address	<u>rt.Suisse 69 1295 Mies (CH)</u>			
Veritas R class certificate (Number or Date)	<u>Veritas Apr 68</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 Apr. 14th. 1998, Versoix (CH)

and its validity confirms Guy-Roland Perrin, USY-ISAF Measurer

for Swiss Yachting Association (USY) (enter name of National Authority)

Valid until Apr. 14 th. 2000

Supersedes May 24th. 1968 (enter former certif. number or date)

Signature *Guy-Roland Perrin*

Stamp of Authority

CT. USY-PSY 13.6.98

Item No	Rule No	Measurement	Min	Actual	Max
HULL					
1	23	Immersion checked in salt or fresh water		fresh	
		Difference of immersion with salt water		7 mm	
2	13	Weight of inside ballast placed at _____		0.000	
3	5	Beam	1.90m	1.901	
4	2	Max draft		1.337	1.350m
5	4	Freeboard at bow girth station		0.741	
6	4	Freeboard at stern girth station		0.573	
7	4	Freeboard at midship mark	0.560m	0.609	
8	4	Freeboard average (item 5+6+7)	0.628m	0.641	
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		0.150	
12	8	Stern angle	1 in 5.5	1 in 3.4	
13	9	Round of beams (Max 7mm in 305 mm)		3	7mm
14	10	Tumblehome		0.061	
15		Deduct 2% of maximum beam		0.038	
16	10	Excess tumblehome (item 14-15)		0.023	
17	11	Area of deck opening		2.200	2.25m2
18	12	Cockpit forward of L1 mark	1.75m	na	
19	11	Breadth of side decks	0.350 m	0.350	
MISCELLANEOUS					
37	29	Weight of anchor	11kg	12.0	13kg
38	29	Length of wrap	30m	ok	
39	23	Top of I marks above water with yacht in racing trim		ok	


**In USY-Register
eingetragen am
16. JUNI 1998**

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Item No	Rule No	Measurement	Min	Actual	Max
SAILS AND RIGGING					
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	0.600	0.850m
22	17	Height of foretriangle above covering board level (I)		8.875	8.880m
23	16	Base of foretriangle (J) (Deck black band to be checked)		2.691	2.691
24	16	Min.headsail for measurement purpose		9.553	
25	19	Spinnaker halyard above forestay		0.095	
26	19	Spinnaker halyard out from mast		0.010	
27	19	Spinnaker breadth of half foot (Max = 1.25 x J)		3.364	3.364
28	19	Storm spinnaker breadth of half foot		2.691	
29	19	Spinnaker boom length		2.681	
30	21	Mast diameter at 1/2 height of foretriangle	11.5cm	120x100	
31	21	Mast diameter at deck	10.9cm	120x100	
32	21	Mast diameter at jib halyard	9.2cm	120x100	
33	21	Mast diameter at top	5.8cm	90x55	
34	21	Tip weight of mast	16kg	18.5	
35	22	Boom depth		0.100	15.2cm
36	22	Boom width	3.8cm	0.060	
LENGTH FOR RATING					
40	3	Overall length LOA		9.570	
41	3	Overhang Forward to L1		1.093	
42	3	Overhang Aft to L1		1.013	
43	3	Total Overhang (Subtract)		2.106	
44	3	MEASURED LENGTH (L1 L1)		7.464	
45	3	Girth at Bow		0.711	
46	3	Twice vertical Height at Bow (Subtract)		0.550	
47	3	O at Bow	0.165m	0.165	
48	3	Girth at Stern		1.635	
49	3	Twice vertical Height at Stern (Subtract)		0.981	
50	3	O at Stern		0.654	
51	3	Add 1/3 O at Stern	0.234m	0.234	
52	3	Correct length		7.863	
SAIL AREA FOR RATING					
53	17	Largest headsail [m2]	9.553	9.555	9.555
54	18	Mainsail (Height)	H:	10.500	
		Mainsail (between mast and boom band)	B:	3.697	
		1/4 main sail girth (Including rope max 35% of B)		1.294	
		1/2 main sail girth (Including rope max 60% of B)		2.218	
55	2	Total sail area S (53+54)	26.5m2	28.964	29.0m2
56	2	Square root of S		5.382	
DISPLACEMENT					
57	13	Weight of yacht		2055	
58	13	Displacement D=weight/1025.21	1.7m3	2.004	2.0m3
59	13	Cubic root of D		1.261	
RATING					
60	2	Rating calculated according to formula		5.497	
61	10	3x tumblehome excess (add to item 60 for final rating)		0.000	
62	2	FINAL RATING		5.497	

Yacht's Name Satyre Sail Number SUI 81

This certificate is dated Apr. 14th. 1998, Versoix (CH)

Signature 

Stamp of Authority

