

Expiration date of rating certificate:

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Royal Yachting Association RYA House

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18 JUNE 1997

INTERNATIONAL 5.5 METRE CLASS CERTIFICATE OF RATING

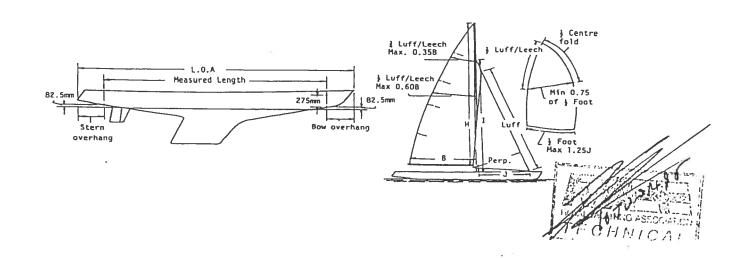
Yacht's Name : SALAMAN	DED IV			
· SALAWAN	DEK IV	Sail Number :	GBR 38	
Owner : JONATHAI	NOSNAL	Owner's Club :	ROYAL YAC	HT SQUADRON
Designer : I MURRAY	& ASSOCIATES / I HOWLETT	Date Completed :	22 DECEME	BER 1990
Designer's declaration was su	pplied			
Condition of water when mark	s were sighted : SALT			
Classification Society : LLOYD	S			
Measurements or partial re-me	asurements by National Autho	rity Measurer	3	8
Measurer	National Authority		Date	
D CHIVERS	AUSTRALIAN YACHTING FED ROYAL YACHTING ASSOCIAT ROYAL YACHTING ASSOCIAT	ION	DEC JUNE JUNE	1990 1993 1995
I certify that the measurement Association as having been properly with the Rules of the In	properly taken and that to the	are those certified b e best of my knowl	y the Royal edge and b	Yachting elief they
Signature of owner or represen	tative:		6	<u>\</u>
Certificate authorised by : KEN	KERSHAW	Date	: 16 JUN	IE 1995
For the: ROYAL YACHTING A	SSOCIATION			

MATIONAL 5.5 METRE CLASS

JALAMANDER IV - GBR 38

DIMENSIONS

	No.	Rule	Measurement	Min	Actual	Max
	HULL					
J	1	23(e)	Immersion checked in SALT water on 2 JUNE 1995			
	2	13	Weight of inside ballast placed amidships		NIL	
	3	5	Beam	1.900m	1.917m	
	4	2	Max Draft		1.348m	1.350m
	5	4	Freeboard at bow girth station		0.779m	
	6	4	Freeboard at stern girth station		0.567m	
	7	4	Freeboard at midship mark		0.611m	- S
	8	4	Freeboard average (item $(5+6+7) \div 3$)	0.628m	0.652m	
	9	14(iii)	Keel and ballast materials (lead or iron)		LEAD	
	10	14(iv)	Keel height of round at bottom	0.075m	0.265m	
	11	14(iv)	Maximum section width down to 1m from LWL	0.150m	0.158m	
	12	8	Stern angle	1 in 5.5	1/5:43	
	13	9	Round of beams		0.004	7mm in 305
	14	10	Tumblehome		0	
	15	10	2% of max beam		0.383	
	16	10	Excess tumblehome (item 14-15)		0	
	17	11	Area of deck openings		2.112m²	2.25m²
	18	12	Cockpit forward of L1 mark	1.75m	2.380m	
	19	11	Breadth of side decks	0.35m	0.385m	



GERNATIONAL 5.5 METRE CLASS SALAMAMDER IV - GBR 38

No.	Rule	Measurement	Min	Actual	Max
SAILS AND RIGGING					
20	16	Height of sailplan above covering board level		11.100m	11.10m
21	18	Height of boom (black band) above covering board level	0.5m	0.820m	0.85m
22	17	Height of fore triangle above covering board level (I)		8.850m	8.88m
23	16	Base of fore triangle (J)		2.692m	0.50x√S
24	16	Min Headsail for measurement purposes = ½xlxJx80%		9.529m	
25	19	Spinnaker, halliard above forestay		0.100m	0.100m
26	19	Spinnaker halliard out from mast		0.030m	0.030m
27	19	Spinnaker breadth of half the foot		3.365m	1.25xJ
28	19	Storm spinnaker, breadth of half the foot		2.692m	J
29	20	Spinnaker boom length		2.692m	J
30	21	Mast diameter at ½ ht of fore triangle, round mast	0.115m	0.116m	
31	21	Mast diameter at deck, round mast	0.109m	0.116m	
32	21	Mast diameter at jib halliards, round mast	0.092m	0.104m	
33	21	Mast diameter at top, round mast	0.058m	0.064m	
		(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)	Y	OK	
34	21	Tip weight of mast	16kgs	20kgs	
35	22	Boom depth		0.145m	0.152m
36	22	Boom width	0.38m	0.98m	
MISC	ELLANE	ous			
37 ·	29	Weight of anchor	11kgs	12.5kgs	13kgs
38	29	Length of warp (min diameter 9mm)	30m	30m	-
39	23	Top of I marks above water with yacht in racing trim	Pro-	YES	

MATIONAL 5.5 METRE CLASS SALAMANDER IV - GBR 38

	No	. Ru	ule Measurement	Min	Actual	Max	
	LE	LENGTH L FOR RATING					
J.	40	3	Overall length LOA		9.404m		
	41	3	Bow overhang to L ₁		0.835m		
	42	3	Stern overhang L ₁		1.232m		
	43	3	Total overhang (item 41 + 42)		2.067m		
	44	3	Measured Length L ₁ (item 40-43)		7.337m		
	45	3	Girth at bow		0.686m		
	46	3	Twice vertical height at bow (=0.550m)		0.550m		
	47	3	Bow girth difference (item 45-46, 0.165min)		0.165m		
	48	3	Girth at stern		1.864m		
	49	3	Twice vertical height at stern		0.969m		
	50	3	Stern girth difference (item 48-49)		0.895m		
	51	3	1/3 stern girth difference (50÷3)	0.234m	0.298m		
	52	3	Length L for rating formula (item44+47+51)		7.800m		
	SAIL	ARE	A FOR RATING		7.000m		
	53	17	Largest headsail = $\frac{1}{2}Px$ (luff) x (perp)	item 24	9.529m		
	54	18	Mainsail = $\frac{1}{2} \times 10.300(H) \times 3.781(B)$	110111 Z-F			
	55	2	Total sail area S (53 + 54)	26.5m²	19.471m 29.00m ²	20.002	
	56		√S	20.5111	5.385m	29.00m²	
	DISPLACEMENT						
	57	13	Weight of yacht 31 June 1995		1975kgs		
	58	13	Displacement D = weight \div 1025.21kg/m ³	1.7m³	1.926m ³	203	
	59	13	³√D	,		2.0m ³	
RATING 1.2		1.244m					
	60	2	Rating calculated according to formula		5.499m		
(51	10	3 x tumblehome excess (add to item 60 for rating)		NIL		
6	62	2	FINAL RATING		5.499m		
			factor activity		,y. +00jii		