



World Leader in Rating Technology

2011 ORC Club Certificate

Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate

Number **000754**
Issued On **24/3/2011**
ORC Ref **GRE00018190**
VPP Ver. **2011 1.02**
Valid until **1/3/2012**

Crew Weight

Declared **800 kg**
Default* **938 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double Handed	684,8	0,8762
Non Spinnaker	719,3	0,8342
N/S Perf. Line	-28,4	0,556

Sails Limitations

Genoas **1** Spinnakers **3**
Jibs **0** Dacron Sails

Spinnaker configuration

Symmetric: **Yes** **97,22**
Asymmetric: **No**
Code Zero: **No**
Spin. Pole: **Yes**

Stability

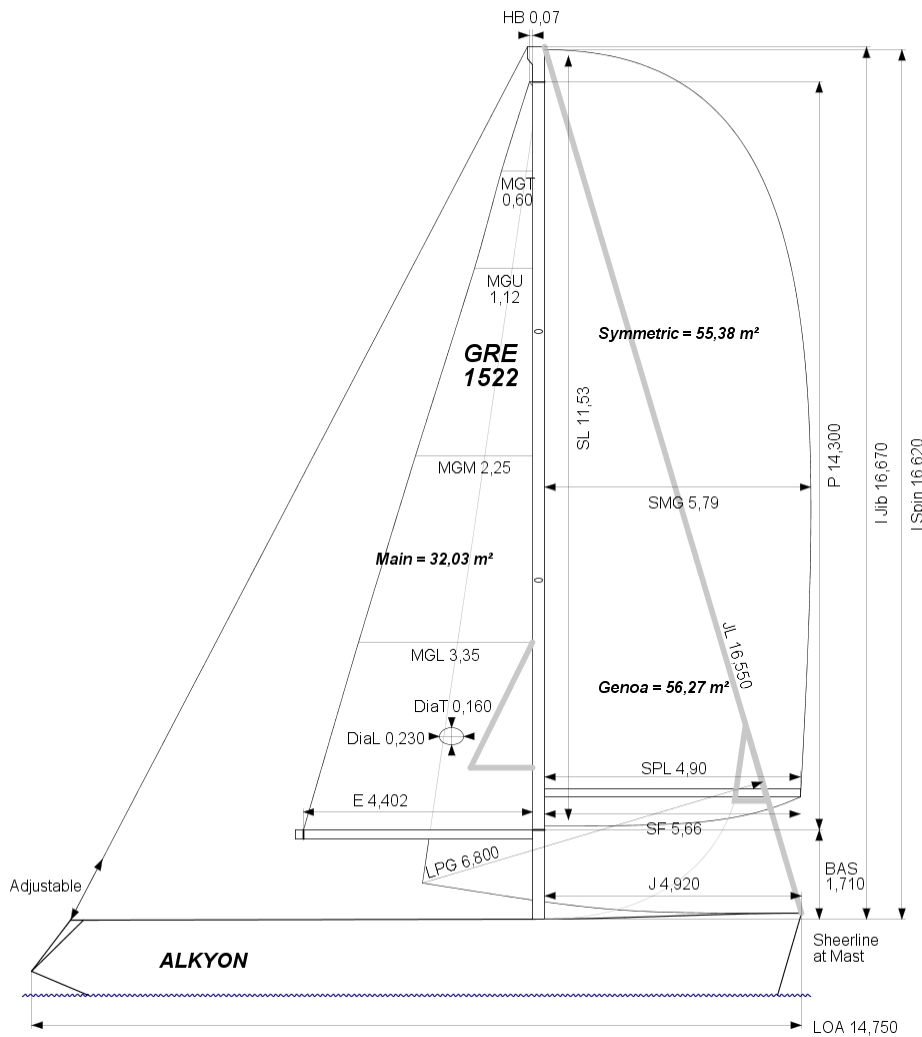
LPS (Estimated): **108,1°**
Stability Index: **109,8**
OSR Category: **N/A**

Owner

KANELLOS PANAGIOTIS
SIKIONOS 44
20200 KIATO, HELLAS
N.O. KIATOU

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT	GPH	HULL
Name ALKYON Sail Nr GRE-1522	685,9	Data File GR1522.dxt LOA 14,750 m Offset File SO49_MK.OFF MB 4,486 m Displacement 10.000 kg Draft 2,038 m
CLASS		IMS Division Cruiser/Racer Dynamic All. 1,314% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Anchor Wgt 300,0 Anchor LCG 0,50
Class FEELING 486 Designer GILLES VATON Builder KIRIE Series 03/1999 Age Date 03/1999 Age Allowance 0,780%		IMS L 12,799 Wetted Area 40,40 m² VCGM 0,320
COMMENTS		CENTERBOARD
Builder's declared displacement		N/A
PROPELLER		
Installation Shaft PRD 0,480 Type Solid 3 blades		

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	685,9			755,5		
Time On Time	0,8748			0,8935		
Performance Line	0,603	-14,1		0,539	35,4	
Triple Number	Low 0,7869	Medium 1,1390	High 1,3900	Low 0,5910	Medium 0,8786	High 1,1117



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ORC Club Certificate Appendix

BOAT	
Name	ALKYON
Sail Nr	GRE-1522
Certificate Number	000754
Issued On	24/3/2011

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1378,8	1081,0	922,3	817,3	751,6	721,1	693,3
52°	860,4	679,6	580,4	520,0	486,3	468,1	453,8
60°	778,5	623,4	532,7	488,0	458,2	439,5	427,2
75°	714,4	576,4	500,3	462,4	436,5	417,5	395,3
90°	725,4	583,0	497,4	453,1	424,7	411,5	388,5
110°	728,5	574,4	491,6	448,3	419,7	398,0	362,3
120°	761,8	598,4	505,3	458,8	428,3	405,7	369,3
135°	871,9	672,6	559,9	493,0	453,9	426,7	387,8
150°	1036,3	789,8	647,4	554,9	495,6	458,5	410,8
Run VMG	1196,6	912,0	747,3	639,7	561,1	507,2	441,6

Selected Courses							
Windward / Leeward	1305,5	1011,3	844,7	737,3	665,9	621,9	571,9
Circular Random	1009,4	787,4	661,8	584,4	534,4	500,9	459,4
Ocean for PCS	1079,1	822,8	674,6	580,8	518,2	474,4	416,4
Non Spinnaker	1066,7	829,0	693,6	609,5	554,6	517,5	471,3

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	47,9°	46,7°	45,9°	46,3°	44,8°	43,8°	42,9°
Beat VMG	2,61	3,33	3,90	4,40	4,79	4,99	5,19
52°	4,18	5,30	6,20	6,92	7,40	7,69	7,93
60°	4,62	5,77	6,76	7,38	7,86	8,19	8,43
75°	5,04	6,25	7,20	7,79	8,25	8,62	9,11
90°	4,96	6,18	7,24	7,95	8,48	8,75	9,27
110°	4,94	6,27	7,32	8,03	8,58	9,05	9,94
120°	4,73	6,02	7,12	7,85	8,41	8,87	9,75
135°	4,13	5,35	6,43	7,30	7,93	8,44	9,28
150°	3,47	4,56	5,56	6,49	7,26	7,85	8,76
Run VMG	3,01	3,95	4,82	5,63	6,42	7,10	8,15
Gybe Angles	145,9°	147,6°	152,8°	155,1°	161,9°	177,8°	179,9°