

BOAT
Name NELLI
Sail Nr GRE-49486

GPH
726,3

HULL				
Length Overall	9,193 m			
Maximum Beam	3,146 m			
Displacement	3.425 kg			
Draft	1,679 m			
IMS Reg. Division	Cruiser/Racer			
Dynamic Allowance	0,668%			
Fwd Accommodation	Yes			
Hull Construction	Solid			
Carbon Rudder	No			
Crew Arm Extension				
IMS L	7,365	VCGD	-0,027	VCGM 0,047
Sink	12,88 kg/mm	Wetted Area	17,24 m²	

GENERAL
Class JOUET 920
Designer D.TORTAROLO
Builder YACHTING FRANCE
Series 01/1981
Age 01/1981
Age Allowance 0,975%
Offset File E107.BOF - 18/2/1994 15:10:00
Measurement by MALAKOS - 20/05/2007



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	726,3			797,2		
Time On Time	0,8261			0,8467		
Performance Line	PLT	PLD		PLT	PLD	
	0,717	97,3		0,697	187,3	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8041	1,0505	1,1928	0,6130	0,8413	0,9846

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1275,8	1056,6	926,6	864,5	830,1	807,6	789,2
52°	822,8	681,9	621,8	584,6	565,4	555,2	544,9
60°	769,5	649,8	596,1	563,9	542,3	531,9	521,9
75°	723,4	624,3	573,2	547,8	524,6	506,7	491,2
90°	699,3	604,6	555,2	527,7	512,9	500,2	479,3
110°	708,3	598,7	548,2	516,9	492,3	472,9	454,7
120°	727,1	617,5	564,0	529,0	501,7	479,2	439,4
135°	838,4	674,6	598,5	556,3	526,3	502,0	462,5
150°	997,2	797,3	667,1	602,9	562,1	532,1	487,1
Run VMG	1151,5	920,6	767,8	676,2	616,2	575,0	520,3

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Number 000157
ORC Ref GRE00019083
Issued On 23/5/2011
VPP Ver. 2011 1.02
Valid until 1/3/2012

Crew Weight
Declared 460 kg
Default* 479 kg
Non Manual Power No

Special Scoring
ToD ToT
Double Handed 729,0 0,8230
Non Spinnaker 761,8 0,7876
N/S Perf. Line 64,4 0,643

Selected Courses							
Windward / Leeward	1237,9	1000,3	861,5	780,7	731,7	699,0	661,5
Circular Random	1004,5	810,0	704,7	642,5	603,6	577,8	545,6
Ocean for PCS	1072,1	846,6	720,0	642,0	590,4	553,9	503,0
Non Spinnaker	1072,6	856,4	737,9	667,2	622,6	593,1	556,3

Sails Limitations
Genoa 1 Jibs 0 Spinnakers 3
Spinnaker configuration Asymmetric-CL

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	44,5°	44,4°	42,1°	40,8°	40,4°	39,9°	40,2°
Beat VMG	2,82	3,41	3,89	4,16	4,34	4,46	4,56
52°	4,38	5,28	5,79	6,16	6,37	6,48	6,61
60°	4,68	5,54	6,04	6,38	6,64	6,77	6,90
75°	4,98	5,77	6,28	6,57	6,86	7,11	7,33
90°	5,15	5,95	6,48	6,82	7,02	7,20	7,51
110°	5,08	6,01	6,57	6,96	7,31	7,61	7,92
120°	4,95	5,83	6,38	6,80	7,18	7,51	8,19
135°	4,29	5,34	6,01	6,47	6,84	7,17	7,78
150°	3,61	4,52	5,40	5,97	6,40	6,77	7,39
Run VMG	3,13	3,91	4,69	5,32	5,84	6,26	6,92
Gybe Angles	142,3°	142,4°	154,2°	165,7°	169,8°	173,6°	175,1°

Storm Sails Areas
Heavy Weather Jib 18,58
Storm Jib (JL=7,63) 6,88
Storm Trysail 6,02

Owner
ZERDELIS YANNIS
SMYRNIS 7
81100 MYTILINI, HELLAS
LOIATH
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT		
Name NELLI	Sail Nr GRE-49486	
File GR49486.dxt	Data in meters/kilograms	

RIG				
Forestay Tension Aft		Spreaders 2		
Inner Forestay Adjustable		Runners 0		
Carbon Mast No		Jumper Struts None		
Taper Hollows No		Jib Furler Yes		
Fiber Rigging No		Main Furler No		
Lenticular Rigging No		Without Backstay No		
Articulated Bowsprit No				
P 10,000	E 3,440	MDT1 0,090	TL 0,000	
IG 11,648	J 3,489	MDL1 0,140	MWT	
ISP 11,680	SFJ 0,000	MDT2 0,090	MCG	
SPS 2,515	SPL	MDL2 0,140	CPW 1,930	
BAS 1,245	TPS 3,900	MW 0,140	BD 0,100	
BAL 0,150	FSP 0,073	GO 0,165	BWT	

MIZZEN RIG AND SAILS				
N/A				

COMMENTS				

INCLINING TEST AND FREEBOARDS				
Inclining Test Current Inclining				
Flotation date 17/05/2011		SG 1,0270		
FFM 1,095	FF 1,094	SFFP 0,581		
FAM 0,950	FA 0,950	SAFP 8,373		
W1 54,160	PD1 267,0	WD 8,670		
W2 54,160	PD2 267,0	GSA 50,3		
W3 54,160	PD3 267,0	RSA 7850,0		
W4 54,160	PD4 267,0	PLM 2200,0		
Maximum beam station from stem		5,418		
RM Measured / Default		67,3 / 62,9		
Limit of positive stability		115,7°		
Stability Index		113,0		
Freeboard at mast at 3,489		0,993		

PROPELLER				
Installation Shaft		PRD 0,370		
Type Folding		PBW 0,090		
Twin Screw No		PIPA 0,0044		
PSA 16,000	PHL 0,153	ST3 0,080	ESL 0,910	
PSD 0,022	ST1 0,020	ST4 0,050		
PHD 0,072	ST2 0,080	ST5 0,162		

WATER BALLAST				
N/A				

CENTERBOARD				
N/A				

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0,150	0,77	1,34	2,24	2,88	10,00	20,67	21,10	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,06	0,58	1,10	2,23	3,42	11,01	4,80		$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Asymmetric	SLU	SLE	ASL	AMG	ASF				
	12,24	10,50	11,37	6,90	6,96		65,49		$ASL \cdot (ASF + 4 \cdot AMG) / 6$

MEASUREMENT INVENTORY				
Measurer MALAKOS GRE-46				
Date 17/05/2011				
Comment				
Id	Item	Weight	Distanc Description	
2	Anchor	6,0	700,00 Danforth	
1	Anchor	6,0	355,00 Delta (Lewmar)	
2	Chain	6,0	700,00 7 m d6mm	
1	Chain	35,0	360,00 26 m d8mm	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY				
Id	Item	Weight	Distanc	Description



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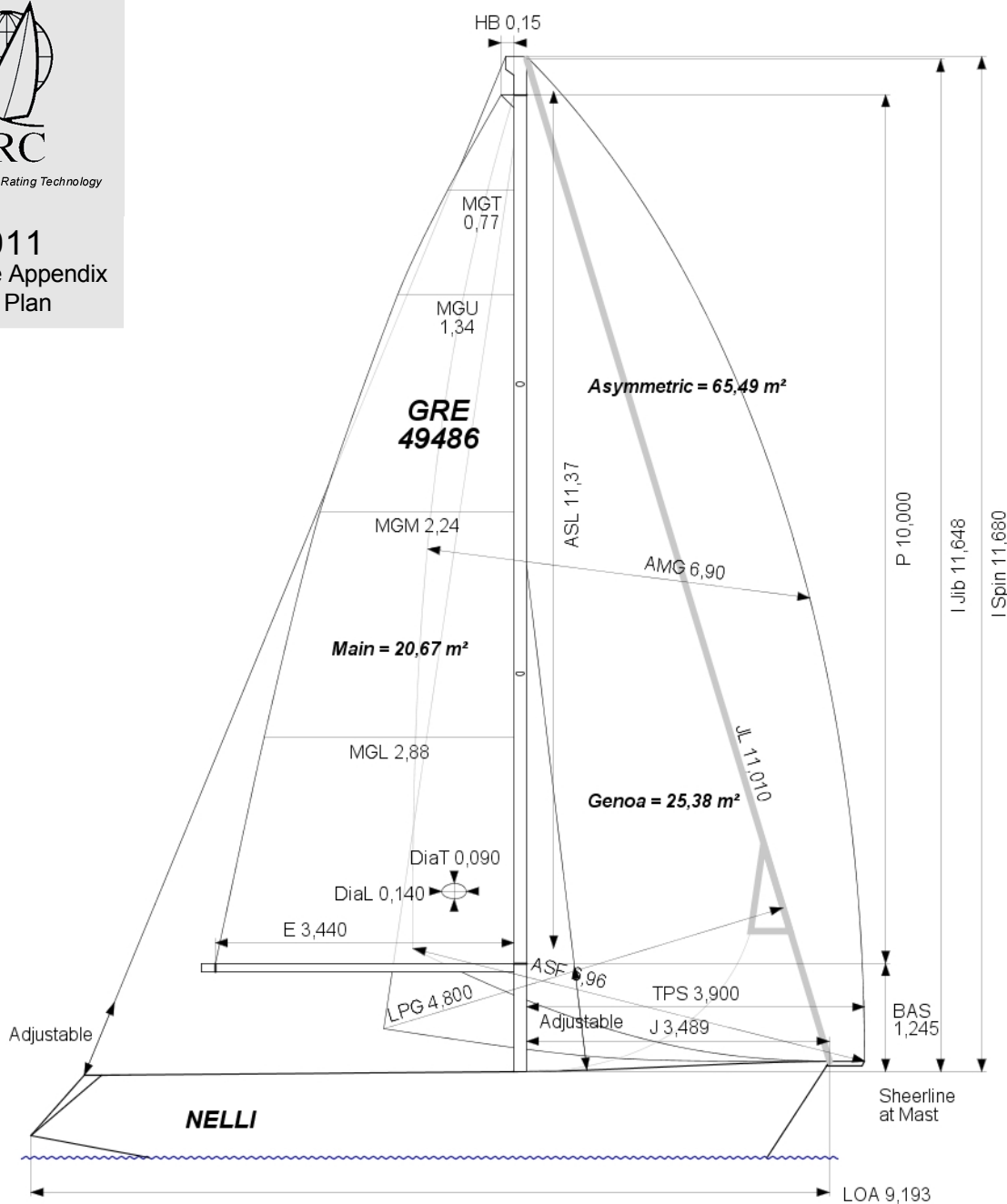
Certificate
Number **000157**
ORC Ref **GRE00019083**
Issued On **23/5/2011**
VPP Ver. **2011 1.02**
Valid until **1/3/2012**





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SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measur	Meas.Date	Manufacture	Material	Comment
1	0,150	0,77	1,34	2,24	2,88	10,00	20,67	MALAKOS	18/05/2011	YACHT	Carbon	WHITE

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measur	Meas.Date	Manufacture	Material	Comment
1	0,06	0,58	1,10	2,23	3,42	4,80	11,01	138%	25,39	MALAKOS	07/05/2010	YACHT	Carbon	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measur	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measur	Meas.Date	Manufacture	Material	Comment
Red	11,97	10,40	11,19	6,29	7,00	59,95	asym	MALAKOS	18/05/2011	QUANTUM	Unknown	
Blue	12,24	10,50	11,37	6,90	6,96	65,49	asym	MALAKOS	17/05/2011	QUANTUM	Unknown	