

BOAT Name ANAX Sail Nr GRE-1550	GPH 641.1	HULL Length Overall 9.982m Maximum Beam 3.372m Displacement 4,617kg Draft 2.001m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.200% Fwd Accommodation No Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class First 34.7 Designer Farr Builder Beneteau Series 10/2005 Age 06/2006 Age Allowance 0.455% Offset File GRE1550.off - 24/10/2017 22:44:40 Measurement by - 02/10/2006		IMSL 9.097m VCGD -0.154m Sink 16.40kg/mm RL 8.110m VCGM -0.139m WS 22.26m² LSM0 8.964m Displacement/Length ratio 6.4099



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	622.9			694.2		
Time on Time	0.9632			0.9724		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	735.1	567.8	505.7	951.2	697.8	604.2
Time on Time	0.9182	1.1888	1.3348	0.7096	0.9673	1.1172

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1104.3	915.7	803.2	741.5	719.8	711.9	703.9
52°	720.0	607.4	547.5	521.6	510.1	505.9	503.3
60°	680.1	577.5	531.4	509.7	497.4	491.6	488.4
75°	652.3	557.0	519.6	499.5	483.7	471.2	459.4
90°	638.8	539.2	502.5	485.5	476.6	462.2	434.9
110°	634.9	533.1	496.6	471.0	447.4	432.1	412.9
120°	655.4	544.6	502.6	476.0	449.8	425.6	390.8
135°	728.9	593.8	525.2	494.3	469.1	443.7	396.8
150°	859.1	686.8	584.7	525.4	496.4	473.1	427.4
Run VMG	992.0	793.0	674.4	595.6	540.2	506.2	460.4

Certificate
Number **00845P**
ORC Ref **GRE01016185**
Issued On **24/07/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default **589kg**
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **679.8 0.8826**
Non Spin OSN **657.4 0.9126**

Selected Courses							
Windward / Leeward	1048.2	854.4	738.8	668.5	630.0	609.0	582.2
Circular Random	882.6	713.0	622.0	569.2	536.8	515.5	488.1
Coastal / Long Distance	1042.6	800.9	666.2	587.0	547.3	516.7	465.9
Non Spinnaker	953.4	762.5	658.4	597.1	559.2	534.6	504.0

Sails Limitations
Headsails **5** | Spinnakers **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	42.8°	41.3°	41.0°	39.2°	38.8°	38.7°	38.6°
Beat VMG	3.26	3.93	4.48	4.86	5.00	5.06	5.11
52°	5.00	5.93	6.58	6.90	7.06	7.12	7.15
60°	5.29	6.23	6.77	7.06	7.24	7.32	7.37
75°	5.52	6.46	6.93	7.21	7.44	7.64	7.84
90°	5.64	6.68	7.16	7.42	7.55	7.79	8.28
110°	5.67	6.75	7.25	7.64	8.05	8.33	8.72
120°	5.49	6.61	7.16	7.56	8.00	8.46	9.21
135°	4.94	6.06	6.85	7.28	7.67	8.11	9.07
150°	4.19	5.24	6.16	6.85	7.25	7.61	8.42
Run VMG	3.63	4.54	5.34	6.04	6.66	7.11	7.82
Gybe Angles	144.8°	147.9°	151.1°	158.3°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.605**

Storm Sails Areas
Heavy Weather Jib **23.07**
Storm Jib (JL=8.50) **8.55**
Storm Trysail **9.83**

Owner

BOAT	
Name ANAX	Sail Nr GRE-1550
File CRO1489	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast Yes	Jumper Struts None
Taper Hollows No	Jib Furler No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 12.640	E 4.440 MDT1 0.109 MW 0.163
IG 13.000	J 3.680 MDL1 0.163 GO 0.183
ISP 13.720	SFJ MDT2 0.100 BD 0.130
BAS 1.540	SPL 3.782 MDL2 0.132 MWT 110.00
FSP 0.066	TPS 4.480 TL 0.895 MCG 4.780

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 19/10/2017		SG 1.0272	
FFM 1.292	FF 1.288	SFFP 0.172	
FAM 1.046	FA 1.051	SAFP 9.530	
W1 81.9	PD1 599.1	WD 9.855	
W2 81.9	PD2 598.9	GSA 1.0	
W3 81.9	PD3 599.3	RSA 1.0	
W4 81.9	PD4 598.3	PLM 9000.0	
LCF from stem on CL / on sheer		5.364 / 5.599	
Maximum beam station from stem		6.642	
RM Measured		106.1kg-m	
RM Default		98.5kg-m	
Limit of positive stability / Stab.Index		129.9° / 129.5	
Freeboard at mast at 3.680		1.160	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0036		
ST1 0.120	ST3 0.180	ST5 0.180	
ST2 0.180	ST4 0.110	EDL 1.780	

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COMMENTS	
ex "BE FIRST". Modified rudder.	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.170	0.97	1.77	2.98	3.82	34.37	35.18	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.53	13.53	13.53	7.10	6.82	79.42		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	14.69	12.79	13.74	7.21	8.09	84.57		AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.62	1.14	2.05	2.88	3.61	12.73	25.01	Y		06/05/2019	Carbon	No 3 Light
0.12	0.58	1.08	1.99	2.85	3.63	12.74	24.63	Y		14/03/2019	Carbon	3Di
0.06	0.48	0.93	1.86	2.79	3.69	12.87	23.95			06/08/2011	Carbon	No 3
0.13	0.56	1.01	1.88	2.59	3.24	12.70	22.52			19/07/2019	Carbon	
0.07	0.43	0.81	1.59	2.34	3.07	10.99	17.28			23/06/2012	Dacron	No 4

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 19/10/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM20SD	
Id	Item	Weight Description		

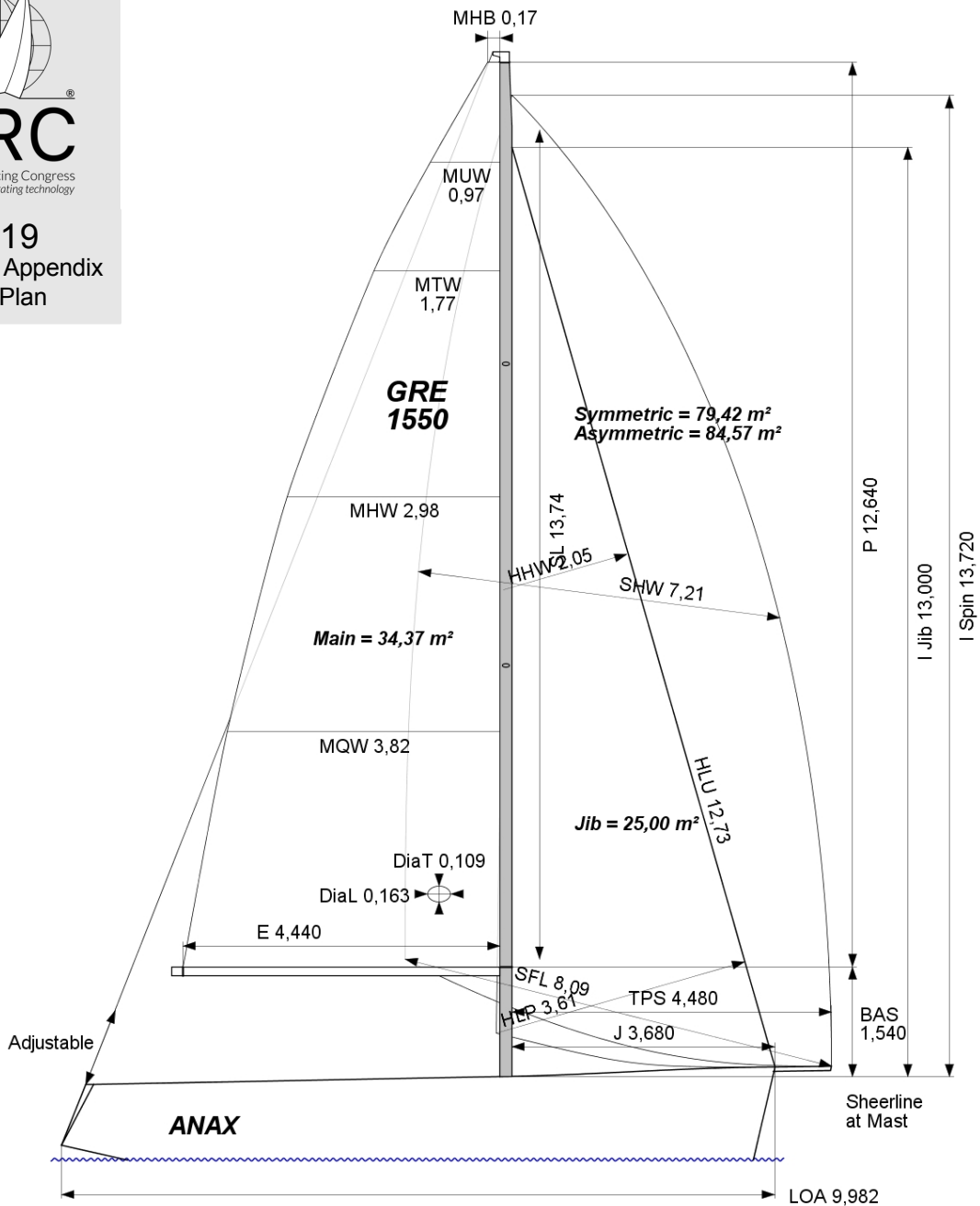
MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank	FUEL	PVC hard	70.0	7.60	30.0
2	Tank	WATER	PVC hard	100.0	4.20	0.0
Id	Item	Weight	Distance	VCG Description		
1	Ballast	52.0	4.40	2 x 26kg P & S		
2	Ballast	28.0	4.80	2 x 14kg P & S		
3	Ballast	88.0	5.40	4 plates C		
1	Battery		3.80	70 Ah		
2	Battery		4.00	90 Ah		
3	Battery		5.70	50 Ah		
1	Misc		3.00	GENERATOR (DOLPHIN 12V 25A)		
2	Misc			RETRACT. CARBON BOWSPRIT IN REST		



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Sail Plan



SAILS INVENTORY

MAINSAIL (4)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.17	0.97	1.77	2.98	3.82	34.37		16/07/2018	NORTH	Carbon	
6	0.16	0.97	1.77	2.97	3.81	34.30		19/07/2019	NORTH	Carbon	

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.11	0.62	1.14	2.05	2.88	3.61	12.73	98%	25.01	Y			06/05/2019	NORTH	Carbon	No 3 Light
9	0.12	0.58	1.08	1.99	2.85	3.63	12.74	99%	24.63	Y			14/03/2019	NORTH	Carbon	3Di
2	0.06	0.48	0.93	1.86	2.79	3.69	12.87	100%	23.95				06/08/2011	KAKITSIS	Carbon	No 3
7	0.13	0.56	1.01	1.88	2.59	3.24	12.70	88%	22.52				19/07/2019	KAKITSIS	Carbon	
5	0.07	0.43	0.81	1.59	2.34	3.07	10.99	83%	17.28				23/06/2012	KAKITSIS	Dacron	No 4

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
6	13.53	13.53	13.53	7.10	6.82	79.43		25/06/2016	NORTH	Nylon	S2
3	13.43	13.43	13.43	6.64	6.35	73.67		24/06/2013	QUANTUM	Nylon	0.60
5	13.31	13.31	13.31	6.55	6.71	73.01		24/04/2016	KAKITSIS	Nylon	
2	13.41	13.41	13.41	6.35	6.39	71.06		06/05/2012	NORTH	Nylon	0.50

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2	14.69	12.79	13.74	7.21	8.09	84.57	asym		07/05/2019	QUANTUM	Nylon	