

BOAT Name PIX-LAX III Sail Nr GRE-9536	GPH 598.2	HULL Length Overall 10.970m Maximum Beam 3.400m Displacement 4,972kg Draft 2.267m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class BH 36 Designer IAN MURRAY Builder BASHFORD HOWISON Series 06/1996 Age 06/1996 Age Allowance 0.487% Offset File BASH36.OFF - 20/06/2013 14:22:02 Measurement by - 11/03/2006		IMSL 10.201m VCGD -0.067m Sink 19.22kg/mm RL 9.494m VCGM -0.001m WS 25.21m² LSM0 9.947m Displacement/Length ratio 5.0519



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	582.8			654.1		
Time on Time	1.0295			1.0320		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	675.1	532.3	481.3	870.6	655.8	582.7
Time on Time	0.9998	1.2681	1.4025	0.7753	1.0293	1.1584

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	963.4	796.7	714.1	685.3	672.6	667.3	656.5
52°	636.1	538.0	500.7	489.0	483.8	481.0	476.3
60°	603.8	520.2	489.6	477.0	471.2	468.0	464.1
75°	580.1	508.9	481.1	464.0	452.2	445.5	439.5
90°	587.0	510.4	480.4	460.6	442.3	426.9	410.0
110°	606.2	507.5	471.0	445.9	427.5	414.6	393.4
120°	623.9	517.3	476.3	448.2	420.5	397.3	371.2
135°	700.4	564.7	497.9	467.4	439.9	411.9	356.2
150°	830.9	660.8	558.8	504.1	480.6	459.3	411.2
Run VMG	959.5	763.1	645.2	582.0	551.5	507.8	460.0

Certificate
Number **00975P**
ORC Ref **GRE01015116**
Issued On **09/03/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default **683kg**
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **629.0 0.9539**
Non Spin OSN **613.1 0.9786**

Selected Courses							
Windward / Leeward	961.5	779.9	679.6	633.7	612.0	587.6	558.2
Circular Random	814.5	661.1	580.7	535.2	507.7	489.2	463.6
Coastal / Long Distance	961.3	734.3	615.9	553.3	520.5	490.2	443.6
Non Spinnaker	871.8	701.5	609.9	556.5	523.6	501.7	473.2

Sails Limitations
Headsails **6** Spinnakers **4**

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	42.1°	40.8°	39.4°	38.0°	37.3°	37.2°	37.2°
Beat VMG	3.74	4.52	5.04	5.25	5.35	5.39	5.48
52°	5.66	6.69	7.19	7.36	7.44	7.48	7.56
60°	5.96	6.92	7.35	7.55	7.64	7.69	7.76
75°	6.21	7.07	7.48	7.76	7.96	8.08	8.19
90°	6.13	7.05	7.49	7.82	8.14	8.43	8.78
110°	5.94	7.09	7.64	8.07	8.42	8.68	9.15
120°	5.77	6.96	7.56	8.03	8.56	9.06	9.70
135°	5.14	6.38	7.23	7.70	8.18	8.74	10.11
150°	4.33	5.45	6.44	7.14	7.49	7.84	8.75
Run VMG	3.75	4.72	5.58	6.19	6.53	7.09	7.83
Gybe Angles	143.6°	147.6°	147.8°	150.0°	152.6°	176.2°	177.6°

Class Division Length
CDL = **9.849**

Storm Sails Areas
Heavy Weather Jib **30.60**
Storm Jib (JL=9.79) **11.34**
Storm Trysail **10.77**

Owner

BOAT	
Name PIX-LAX III	Sail Nr GRE-9536
File GR9536	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
Inner Stay None Fitted	Runners 1
Carbon Mast No	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 13.150	E 4.680 MDT1 0.125 MW 0.148
IG 14.976	J 4.240 MDL1 0.181 GO 0.170
ISP 14.976	SFJ 0.000 MDT2 0.107 BD 0.173
BAS 1.658	SPL 0.000 MDL2 0.148 MWT 177.00
FSP 0.064	TPS 5.010 TL 2.010 MCG 4.857

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 04/03/2007		SG 1.0280	
FFM 1.262	FF 1.257	SFFP 0.300	
FAM 0.873	FA 0.880	SAFP 10.560	
W1 73.5	PD1 280.0	WD 11.220	
W2 73.5	PD2 280.0	GSA 38.5	
W3 73.5	PD3 280.0	RSA 5674.5	
W4 73.5	PD4 280.0	PLM 2420.0	
LCF from stem on CL / on sheer		6.110 / 6.332	
Maximum beam station from stem		6.921	
RM Measured		123.9kg-m	
RM Default		126.2kg-m	
Limit of positive stability / Stab.Index		114.2° / 115.2	
Freeboard at mast at 4.240		1.041	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.420		
Type Folding 2 blades	PBW 0.107		
Twin Screw No	PIPA 0.0033		
ST1 0.041	ST3 0.179	ST5 0.245	
ST2 0.164	ST4 0.112	EDL 1.620	

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COMMENTS	
ex "THUNDER" GBR-9536R, ex "DE MALO III".	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.200	1.01	1.78	3.05	3.97	36.98	37.79	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	16.36	14.10	15.23	8.34	8.53	106.33		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
0.00	0.69	1.35	2.74	4.28	5.81	14.98	42.48			10/05/2008	Unknow	

MEASUREMENT INVENTORY				
Measurer GRE-11				
Date 04/03/2007				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
4	Anchor	7.5	40.00	Bruce
2	Anchor	5.0	40.00	Grapnel
4	Chain	46.5	40.00	11m x 8mm
4	Tools	40.0	8.50	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	
4	Deck-Gear	12.0		

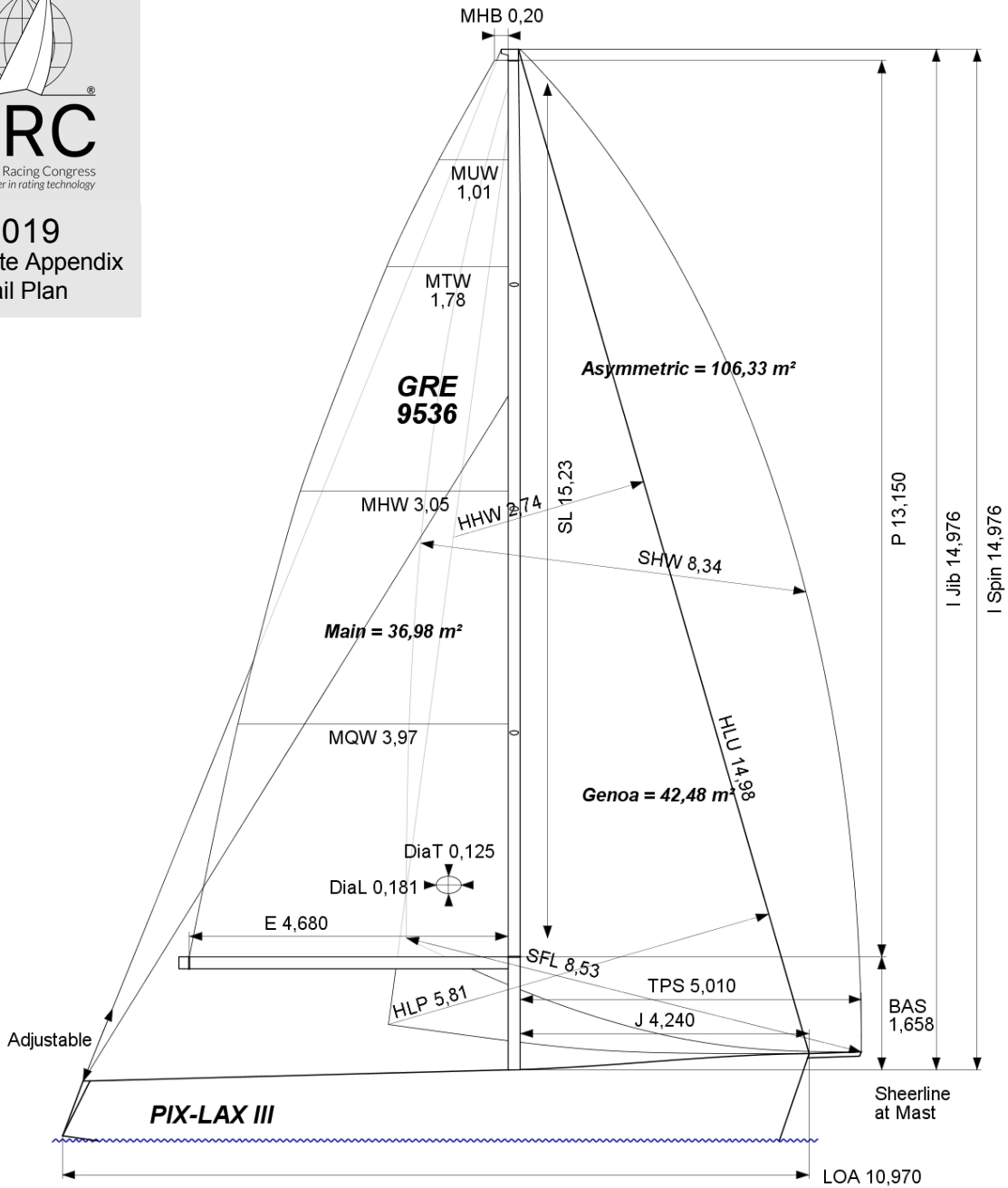
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank Fuel		St. Steel	60.0	8.25		0-0	
2	Tank Water		St. Steel	70.0	5.25		0-0	
3	Tank Water		St. Steel	70.0	5.25		0-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Ballast	160.0	5.25	8 x 20kg lead pigs				
2	Ballast	40.0	6.90	2 x 20kg lead pigs				
1	Battery	60.0	6.10	2 x 100Ah				
2	Battery	22.0	8.50	1 x 55Ah				



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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M1	0.20	1.01	1.78	3.05	3.97	36.99		10/05/2008		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.00	0.69	1.35	2.74	4.28	5.81	14.98	137%	42.48				10/05/2008		Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
A1	16.36	14.10	15.23	8.34	8.53	106.34	asym		20/06/2018		Nylon					
AS1	14.66	12.44	13.55	7.48	7.62	84.78	asym		20/03/2016		Nylon					
A2	15.04	13.14	14.09	6.60	7.28	79.10	asym		20/03/2018	KAKITSIS	Nylon					