

BOAT
Name GIRALDILLO Sail Nr PER 33917

GPH
663.7

HULL					
Length Overall	10.932 m				
Maximum Beam	3.724 m				
Displacement	6,929 kg				
Draft	1.838 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0.916%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Crew Arm Extension					
IMS L	9.735	VCGD	0.203	VCGM	0.025
Sink	20.07 kg/mm	Wetted Area	27.27 m²		



World Leader in Rating Technology


2011
ORC International
Certificate

GENERAL
Class Voilier-OL-1B
Designer
Builder Kirie
Series 08/1978
Age 01/1984
Age Allowance 0.975%
Offset File girald10.off - 22/06/2010 08:36:00 a.m.
Measurement by G Liza / L Yarlequ - 03/02/2010

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	663.7			723.6		
Time On Time	0.9041			0.9328		
Performance Line	PLT	PLD		PLT	PLD	
	0.808	114.2		0.795	209.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8865	1.1494	1.2876	0.6740	0.9275	1.0715

Rating Office

Roberto Peschiera
peschiera56@gmail.com
Asociacion de Veleros
Oceanicos del Peru



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1152.9	940.6	837.6	786.6	756.7	738.1	735.3
52°	727.7	602.4	558.0	536.6	524.1	516.1	509.7
60°	668.2	572.2	535.8	515.1	504.3	497.1	489.3
75°	621.8	550.7	518.0	496.2	480.9	472.2	462.7
90°	627.9	553.7	518.5	498.1	480.2	465.5	446.3
110°	665.7	556.9	513.5	485.0	462.0	446.4	431.9
120°	689.6	568.3	521.0	491.7	468.4	448.0	419.1
135°	778.2	616.2	548.5	512.8	487.1	465.2	428.4
150°	929.8	726.3	604.7	547.7	514.2	489.3	449.1
Run VMG	1073.7	838.6	696.3	612.5	561.5	527.0	480.5

Certificate	
Number	PERI02
ORC Ref	PER00000119
Issued On	26/04/2011
VPP Ver.	2011 1.02
Valid until	31/03/2012

Selected Courses							
Windward / Leeward	1133.3	903.9	779.5	709.1	666.9	639.9	614.7
Circular Random	915.8	738.4	643.6	589.0	555.7	534.3	509.3
Ocean for PCS	978.8	772.4	658.1	589.0	544.1	512.5	468.5
Non Spinnaker	966.6	773.5	668.9	607.6	569.8	545.5	517.1

Crew Weight	
Declared	684 kg
Default*	684 kg
Non Manual Power	No

Special Scoring		
	ToD	ToT
Double Handed	667.3	0.8992
Non Spinnaker	690.6	0.8689
N/S Perf. Line	82.5	0.731

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	46.3°	46.0°	43.0°	40.9°	39.4°	38.4°	39.0°
Beat VMG	3.12	3.83	4.30	4.58	4.76	4.88	4.90
52°	4.95	5.98	6.45	6.71	6.87	6.98	7.06
60°	5.39	6.29	6.72	6.99	7.14	7.24	7.36
75°	5.79	6.54	6.95	7.25	7.49	7.62	7.78
90°	5.73	6.50	6.94	7.23	7.50	7.73	8.07
110°	5.41	6.46	7.01	7.42	7.79	8.06	8.34
120°	5.22	6.33	6.91	7.32	7.69	8.04	8.59
135°	4.63	5.84	6.56	7.02	7.39	7.74	8.40
150°	3.87	4.96	5.95	6.57	7.00	7.36	8.02
Run VMG	3.35	4.29	5.17	5.88	6.41	6.83	7.49
Gybe Angles	143.5°	146.4°	151.8°	163.2°	169.9°	172.8°	174.2°

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	30.12
Storm Jib (JL=9.71)	11.16
Storm Trysail	9.20

Owner

Jose Abadia
Av. del Pinar 323,
Chacarilla Estanz
Lima, Peru

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

Signature

BOAT	
Name GIRALDILLO File PER33917.dxt	Sail Nr PER 33917 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 No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 13.094	E 4.017 MDT1 0.133 TL 0.000
IG 14.865	J 4.495 MDL1 0.198 MWT
ISP 14.896	SFJ 0.000 MDT2 0.130 MCG
SPS 2.920	SPL 4.495 MDL2 0.198 CPW 2.360
BAS 1.603	TPS 0.058 MW 0.198 BD 0.139
BAL 0.208	FSP 0.058 GO 0.220 BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
Ex Matahari.	

INCLINING TEST AND FREEBOARDS	
Inclining Test Current Inclining	
Flotation date 03/02/2010	SG 1.0260
FFM 1.227	FF 1.227 SFFP 0.350
FAM 0.927	FA 0.927 SAFP 10.098
W1 60.000	PD1 365.0 WD 11.450
W2 60.000	PD2 368.2 GSA 1.0
W3 60.000	PD3 362.4 RSA 1.0
W4 60.000	PD4 367.1 PLM 9000.0
Maximum beam station from stem	6.457
RM Measured / Default	148.0 / 143.8
Limit of positive stability	111.3°
Stability Index	113.7
Freeboard at mast at 4.495	1.010

PROPELLER	
Installation Shaft	PRD 0.437
Type Feathering 2 blades	PBW 0.136
Twin Screw No	PIPA 0.0056
PSA 25.000	PHL 0.105 ST3 0.105 ESL 0.830
PSD 0.025	ST1 0.025 ST4 0.060
PHD 0.065	ST2 0.095 ST5 0.200

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	



World Leader in Rating Technology

2011
IMS Measurement
Certificate

Certificate

Number **PERI02**
ORC Ref **PER00000119**
Issued On **26/04/2011**
VPP Ver. **2011 1.02**
Valid until **31/03/2012**



SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0.145	0.85	1.48	2.54	3.35	17.40	31.00	31.45	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.00	0.83	1.66	3.31	4.97	15.60	6.62	51.64	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF						
	15.20	8.16	8.09					103.19	$SL \cdot (SF + 4 \cdot SMG) / 6$

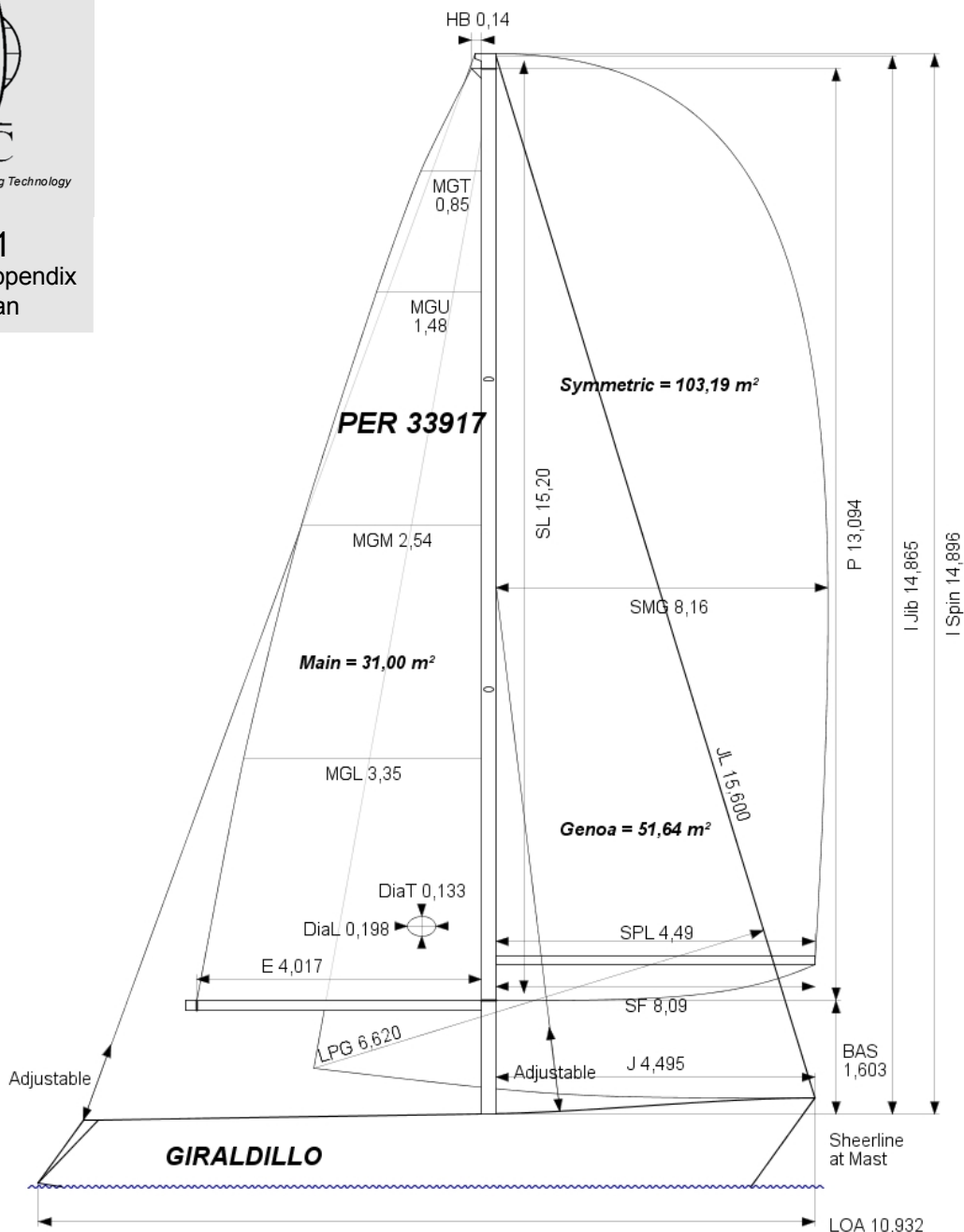
MEASUREMENT INVENTORY			
Measurer	Date	Comment	
Id	Item	Weight	Distanc Description
OR	Anchor	18.0	1.00 *Legacy Anchor*
Id	Item	Weight	Description

MEASUREMENT INVENTORY			
Id	Item	Weight	Distanc Description



World Leader in Rating Technology

2011
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment		
M1	0.145	0.85	1.48	2.54	3.35	17.40	31.00	G LIZA	24/06/2010	DOYLE	Kevlar	rectificar medición		
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.08	0.81	1.59	3.20	4.84	6.50	15.02	145%	48.51	G LIZA	22/07/2010	DOYLE	Kevlar	nueva genoa
ORC						6.62	0.00	147%	51.64					* Copied from
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	15.20	8.16	0.00	103.19					* Copied from legacy *					
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		