

BOAT
Name GIRALDILLO Sail Nr PER 33917

GPH
657,8

HULL					
Length Overall	10,965 m				
Maximum Beam	3,708 m				
Displacement	6.561 kg				
Draft	1,842 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0,851%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Trim Tab	No				
IMS L	9,737	VCGD	0,091	VCGM	0,159
Sink	19,63 kg/mm	Wetted Area	27,42 m²		



2009
ORC International
Certificate

GENERAL
Class Voilier-OL-1B
Designer
Builder Kirie
Series 01/1984
Age 01/1984
Age Allowance 1,300%
Offset File matahari.off - 04/05/1992 19:30:48
Measurement by Carrion/Chalco - 23/04/1992

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	657,8			739,1		
Time On Time	0,9121			0,9133		
Performance Line	PLT	PLD		PLT	PLD	
	0,840	131,7		1,002	336,0	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9006	1,1576	1,2847	0,6810	0,9340	1,0769

Rating Office
Federacion Peruana Vela
Bolognesi 761, Callao
5, Peru
Aguiles Rubina, Rat. Ofi.
rubina@terra.com.pe

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1144,8	933,0	831,4	782,8	754,8	737,9	724,3
52°	720,7	596,3	556,4	537,4	524,3	515,5	508,0
60°	661,7	567,7	534,8	513,4	502,7	496,7	491,3
75°	612,8	547,7	515,2	493,4	482,8	477,6	471,3
90°	606,9	536,8	500,5	486,6	480,4	471,2	454,9
110°	620,1	544,3	505,2	483,5	468,1	455,3	439,9
120°	663,9	558,4	516,9	489,0	472,2	453,0	426,6
135°	767,2	605,3	545,1	508,3	485,7	469,4	430,8
150°	917,5	716,8	597,2	545,2	510,6	487,7	453,3
Run VMG	1059,4	827,7	689,1	607,8	558,4	524,2	481,1

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ORC Ref PER00000022
Issued On 17/06/2009
VPP Ver. 1.11
Valid until 30/03/2010

Crew Weight
Declared 646 kg
Default* 646 kg

Special Scoring	
ToD	ToT
Double Handed 661,5	0,9070
Non Spinnaker 700,2	0,8569

Selected Courses							
Windward / Leeward	1121,9	894,8	772,9	704,8	664,3	638,1	608,9
Circular Random	902,4	729,7	638,1	586,0	554,7	534,7	510,0
Ocean for PCS	966,5	764,3	653,2	586,7	544,0	514,2	472,0
Non Spinnaker	983,9	785,5	677,8	614,9	576,5	552,1	523,5

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

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	46,4°	46,6°	43,0°	40,6°	39,1°	38,2°	37,6°
Beat VMG	3,14	3,86	4,33	4,60	4,77	4,88	4,97
52°	5,00	6,04	6,47	6,70	6,87	6,98	7,09
60°	5,44	6,34	6,73	7,01	7,16	7,25	7,33
75°	5,87	6,57	6,99	7,30	7,46	7,54	7,64
90°	5,93	6,71	7,19	7,40	7,49	7,64	7,91
110°	5,81	6,61	7,13	7,45	7,69	7,91	8,18
120°	5,42	6,45	6,97	7,36	7,62	7,95	8,44
135°	4,69	5,95	6,60	7,08	7,41	7,67	8,36
150°	3,92	5,02	6,03	6,60	7,05	7,38	7,94
Run VMG	3,40	4,35	5,22	5,92	6,45	6,87	7,48
Gybe Angles	143,1°	145,7°	151,2°	163,6°	171,8°	172,0°	176,5°

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 Estanzq
Lima, Peru

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

Signature

BOAT	
Name GIRALDILLO	Sail Nr PER 33917
File GIRALDI.dxt	Data in meters/kilograms

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Forestay Adjustable	Runners 0		
Carbon Mast No	Jumpers None		
Taper Hollows No	w/o Backstay 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	MW 0,198	BD 0,139
BAL 0,208	FSP 0,058	GO 0,220	BWT

HEAVY ITEMS			
Bow Thruster No	Generator No	Air Condition No	
Windlass No	Jib Furler No	Desalinator No	
Heavy Deck No	Main Furler No		
Headliners No	Water Heater No		
Anchor Weight 18,0	Heavy Items Adjustment 0,0012		
Anchor LCG 1,00	Total Gyradius Adjustment 0,0434		

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
Ex Matahari.	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 06/05/2003		SG 1,0255
FFM 1,228	FF 1,228	SFFP 0,600
FAM 0,935	FA 0,935	SAFP 10,040
W1 19,125	PD1 67,5	WD 12,150
W2 38,250	PD2 135,0	GSA 38,0
W3 57,375	PD3 202,5	RSA 7800,0
W4 76,500	PD4 270,0	PLM 2130,0
Maximum beam station from stem		6,223
RM Measured / Default		127,7 / 139,2
Limit of positive stability		104,6°
Stability Index		106,1
Freeboard at mast at 4,495		1,038

PROPELLER			
Installation Out of Aperture	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	

SAILS (Maximum Areas)								
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula
	0,190	0,85	1,50	2,58	3,38	14,50	31,31	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	
	0,00	0,83	1,66	3,31	4,97	15,60	6,62	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF					
	15,20	8,16	8,09				103,19	$SL \cdot (SF + 4 \cdot SMG) / 6$



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