

BOAT
Name PISCOPURO.COM
Sail Nr PER-4077

GPH
594,7

HULL					
Length Overall	10,900 m				
Maximum Beam	3,605 m				
Displacement	3.821 kg				
Draft	2,247 m				
IMS Reg. Division	Racing				
Dynamic Allowance	0,000%				
Fwd Accommodation	No				
Hull Construction	Cored				
Carbon Rudder	No				
Trim Tab	No				
IMS L	10,005	VCGD	-0,003	VCGM	0,045
Sink	17,09 kg/mm	Wetted Area	22,27 m²		



2009
ORC International
Certificate

GENERAL
Class MUMM 36
Designer BRUCE FARR
Builder AST. DEL SUR
Series 09/1992
Age 09/1992
Age Allowance 1,105%
Offset File SANGREGO.OFF - 23/06/2007 11:06:42
Measurement by Palombo/Carrion - 05/10/1994

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	594,7			660,7		
Time On Time	1,0089			1,0217		
Performance Line	PLT	PLD		PLT	PLD	
	0,888	104,4		1,113	329,9	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9940	1,2777	1,4474	0,7563	1,0229	1,1931

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	958,5	792,1	722,8	685,6	663,3	650,1	644,8
52°	620,5	528,4	495,0	479,3	470,5	465,2	461,3
60°	583,8	505,4	476,5	463,9	455,6	450,1	445,6
75°	558,9	491,1	458,9	442,9	432,7	425,5	418,0
90°	564,2	487,4	452,2	436,8	415,6	405,3	392,6
110°	583,0	502,0	463,2	432,0	404,6	389,8	367,3
120°	622,4	525,1	476,9	447,3	417,0	385,4	348,2
135°	732,4	585,8	513,6	473,3	446,1	419,2	359,4
150°	883,8	691,9	580,9	516,2	476,8	450,4	400,2
Run VMG	1020,5	798,9	670,2	588,1	529,7	489,1	437,8

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VPP Ver. 1.11
Valid until 30/03/2010

Selected Courses							
Windward / Leeward	1008,3	810,2	706,5	644,6	603,6	576,2	547,0
Circular Random	817,9	661,3	577,4	528,2	497,1	476,0	448,3
Ocean for PCS	874,5	691,8	590,2	527,7	485,9	455,4	411,0
Non Spinnaker	874,3	700,6	606,3	550,5	515,3	491,8	461,8

Crew Weight	
Declared	550 kg
Default*	594 kg

Special Scoring	
ToD	ToT
Double Handed	601,1 0,9982
Non Spinnaker	625,6 0,9591

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	44,0°	41,9°	39,4°	38,2°	37,3°	36,8°	36,9°
Beat VMG	3,76	4,54	4,98	5,25	5,43	5,54	5,58
52°	5,80	6,81	7,27	7,51	7,65	7,74	7,80
60°	6,17	7,12	7,55	7,76	7,90	8,00	8,08
75°	6,44	7,33	7,84	8,13	8,32	8,46	8,61
90°	6,38	7,39	7,96	8,24	8,66	8,88	9,17
110°	6,17	7,17	7,77	8,33	8,90	9,23	9,80
120°	5,78	6,86	7,55	8,05	8,63	9,34	10,34
135°	4,92	6,15	7,01	7,61	8,07	8,59	10,02
150°	4,07	5,20	6,20	6,97	7,55	7,99	8,99
Run VMG	3,53	4,51	5,37	6,12	6,80	7,36	8,22
Gybe Angles	141,6°	145,6°	151,7°	161,0°	167,3°	173,0°	173,8°

Sails Limitations		
Genoas	Jibs	Spinnakers
4	3	4
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	24,04
Storm Jib (JL=8,67)	8,90
Storm Trysail	11,97

Owner
Eduardo Wong
LIMA, PERU

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

Signature

BOAT	
Name PISCOPURO.COM	Sail Nr PER-4077
File PISCOPU.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Forestay None Fitted	Runners 2
Carbon Mast No	Jumpers None
Taper Hollows No	w/o Backstay No
P 13,650	E 5,010 MDT1 0,104 TL 1,895
IG 13,240	J 3,840 MDL1 0,162 MWT 128,00
ISP 13,361	SFJ 0,175 MDT2 0,089 MCG 4,300
SPS 4,183	SPL 3,840 MDL2 0,098 CPW 2,034
BAS 1,835	TPS 0,064 MW 0,162 BD 0,153
BAL 0,165	FSP 0,064 GO 0,192 BWT

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 13/08/2004		SG 1,0250
FFM 1,163	FF 1,163	SFFP 0,414
FAM 0,926	FA 0,926	SAFP 10,320
W1 15,625	PD1 62,5	WD 10,940
W2 31,250	PD2 125,0	GSA 38,0
W3 46,875	PD3 187,5	RSA 7800,0
W4 62,500	PD4 246,0	PLM 2020,0
Maximum beam station from stem		7,145
RM Measured / Default		96,2 / 106,2
Limit of positive stability		113,1°
Stability Index		108,3
Freeboard at mast at 4,015		1,017



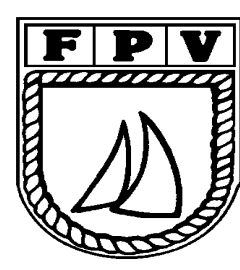
2009
IMS Measurement
Certificate

HEAVY ITEMS	
N/A	
Total Gy radius Adjustment 0,0247	

PROPELLER		
Installation Strut Drive	PRD 0,385	
Type Folding	PBW 0,105	
Twin Screw No	PIPA 0,0034	
ST1 0,041	ST3 0,180	ST5 0,290
ST2 0,180	ST4 0,113	EDL 0,850

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MIZZEN RIG AND SAILS	
N/A	

WATER BALLAST	
N/A	

COMMENTS	
Ex San Gregorio YCA	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)								
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula
	0,170	1,08	1,93	3,27	4,30	14,00	41,31	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	
	0,00	0,70	1,39	2,79	4,18	13,89	5,57	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF					
	13,15	6,92	6,91				75,81	$SL \cdot (SF + 4 \cdot SMG) / 6$

