

BOAT
Name PESCADOR II Sail Nr PER 538

GPH
620,7

HULL					
Length Overall	12,060 m				
Maximum Beam	3,885 m				
Displacement	7.508 kg				
Draft	2,072 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0,887%				
Fwd Accommodation	Yes				
Hull Construction	Cored				
Carbon Rudder	No				
Trim Tab	No				
IMS L	10,964	VCGD	0,323	VCGM	0,220
Sink	23,04 kg/mm	Wetted Area	30,19 m²		



2009
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GENERAL
Class Dufour 40
Designer Felci
Builder Dufour
Series 01/2003
Age
Age Allowance 0,390%
Offset File DUF0405.OFF - 14/08/2008 11:00:00
Measurement by - 15/08/2008

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	620,7			699,3		
Time On Time	0,9666			0,9653		
Performance Line	PLT	PLD		PLT	PLD	
	0,810	78,7		0,923	244,4	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9309	1,2352	1,4071	0,7028	0,9778	1,1543

Rating Office
Federacion Peruana Vela
Bolognesi 761, Callao
5, Peru
Aguiles Rubina, Rat. Ofi.
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1102,1	904,6	788,0	734,9	706,2	688,9	675,4
52°	705,3	581,8	522,3	491,7	478,2	470,1	463,1
60°	656,4	547,1	498,1	469,2	456,8	450,0	443,6
75°	616,5	520,0	469,7	452,9	435,6	424,7	416,3
90°	583,3	497,1	456,2	434,8	425,8	418,9	397,4
110°	602,9	510,7	467,0	440,0	417,9	399,5	382,1
120°	643,7	532,2	480,8	450,1	427,7	406,6	369,9
135°	741,9	596,4	517,7	474,8	447,6	426,9	389,2
150°	890,2	698,8	585,4	518,1	477,5	450,7	411,9
Run VMG	1027,9	807,0	675,9	587,9	530,5	489,7	440,2

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VPP Ver. 1.11
Valid until 30/03/2010

Crew Weight
Declared 700 kg
Default* 737 kg

Special Scoring	
ToD	ToT
Double Handed 623,1	0,9629
Non Spinnaker 663,9	0,9038

Selected Courses							
Windward / Leeward	1084,6	867,4	743,5	670,5	625,7	596,0	563,9
Circular Random	866,5	694,8	601,6	546,6	512,4	490,0	462,2
Ocean for PCS	926,9	727,2	614,9	545,7	500,2	467,8	421,9
Non Spinnaker	945,1	750,1	642,3	577,7	536,9	510,0	477,4

Sails Limitations		
Genoa	Jibs	Spinnakers
0	4	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	44,8°	43,3°	43,0°	41,0°	39,9°	39,3°	39,3°
Beat VMG	3,27	3,98	4,57	4,90	5,10	5,23	5,33
52°	5,10	6,19	6,89	7,32	7,53	7,66	7,77
60°	5,48	6,58	7,23	7,67	7,88	8,00	8,12
75°	5,84	6,92	7,66	7,95	8,26	8,48	8,65
90°	6,17	7,24	7,89	8,28	8,46	8,59	9,06
110°	5,97	7,05	7,71	8,18	8,61	9,01	9,42
120°	5,59	6,76	7,49	8,00	8,42	8,85	9,73
135°	4,85	6,04	6,95	7,58	8,04	8,43	9,25
150°	4,04	5,15	6,15	6,95	7,54	7,99	8,74
Run VMG	3,50	4,46	5,33	6,12	6,79	7,35	8,18
Gybe Angles	142,3°	148,3°	149,7°	160,6°	168,6°	172,4°	175,9°

Storm Sails Areas
Heavy Weather Jib 32,36
Storm Jib (JL=10,06) 11,99
Storm Trysail 14,14

Owner
German Fuchs
Paul Harris 297
Barranco, Lima
Peru

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

Signature

BOAT	
Name PESCADOR II	Sail Nr PER 538
File PESCADII.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Forestay None Fitted	Runners 0
Carbon Mast No	Jumpers None
Taper Hollows No	w/o Backstay No
P 14,730	E 5,485 MDT1 0,160 TL 0,700
IG 15,390	J 4,190 MDL1 0,220 MWT
ISP 15,490	SFJ 0,195 MDT2 0,180 MCG
SPS 2,490	SPL 4,170 MDL2 0,172 CPW 2,435
BAS 1,790	TPS 0,076 MW 0,220 BD 0,160
BAL 0,100	FSP 0,076 GO 0,245 BWT

HEAVY ITEMS	
Bow Thruster No	Generator No Air Condition No
Windlass Yes	Jib Furler No Desalinator No
Heavy Deck No	Main Furler No
Headliners No	Water Heater No
Anchor Weight	Heavy Items Adjustment 0,0005
Anchor LCG	Total Gyradius Adjustment 0,0265

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 29/01/2009		SG 1,0255
FFM 1,435	FF 1,435	SFFP 0,100
FAM 1,175	FA 1,175	SAFP 11,430
W1 24,000	PD1 62,5	WD 11,600
W2 48,000	PD2 125,0	GSA 38,0
W3 72,000	PD3 187,5	RSA 7800,0
W4 96,000	PD4 250,0	PLM 2130,0
Maximum beam station from stem		7,717
RM Measured / Default		165,2 / 181,6
Limit of positive stability		109,9°
Stability Index		112,2
Freeboard at mast at 4,385		1,265

PROPELLER		
Installation Strut Drive	PRD 0,450	
Type Folding	PBW 0,115	
Twin Screw No	PIPA 0,0039	
ST1 0,066	ST3 0,178 ST5 0,289	
ST2 0,177	ST4 0,111 EDL 2,780	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula		
	0,190	1,14	2,04	3,53	4,60	0,00	47,95	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)		
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	34,88	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
	0,00	0,57	1,14	2,28	3,42	15,30	4,56			
Symmetric	SL	SMG	SF							
	15,23	7,50	7,35	94,81 SL · (SF + 4·SMG) / 6						

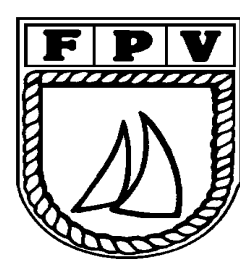


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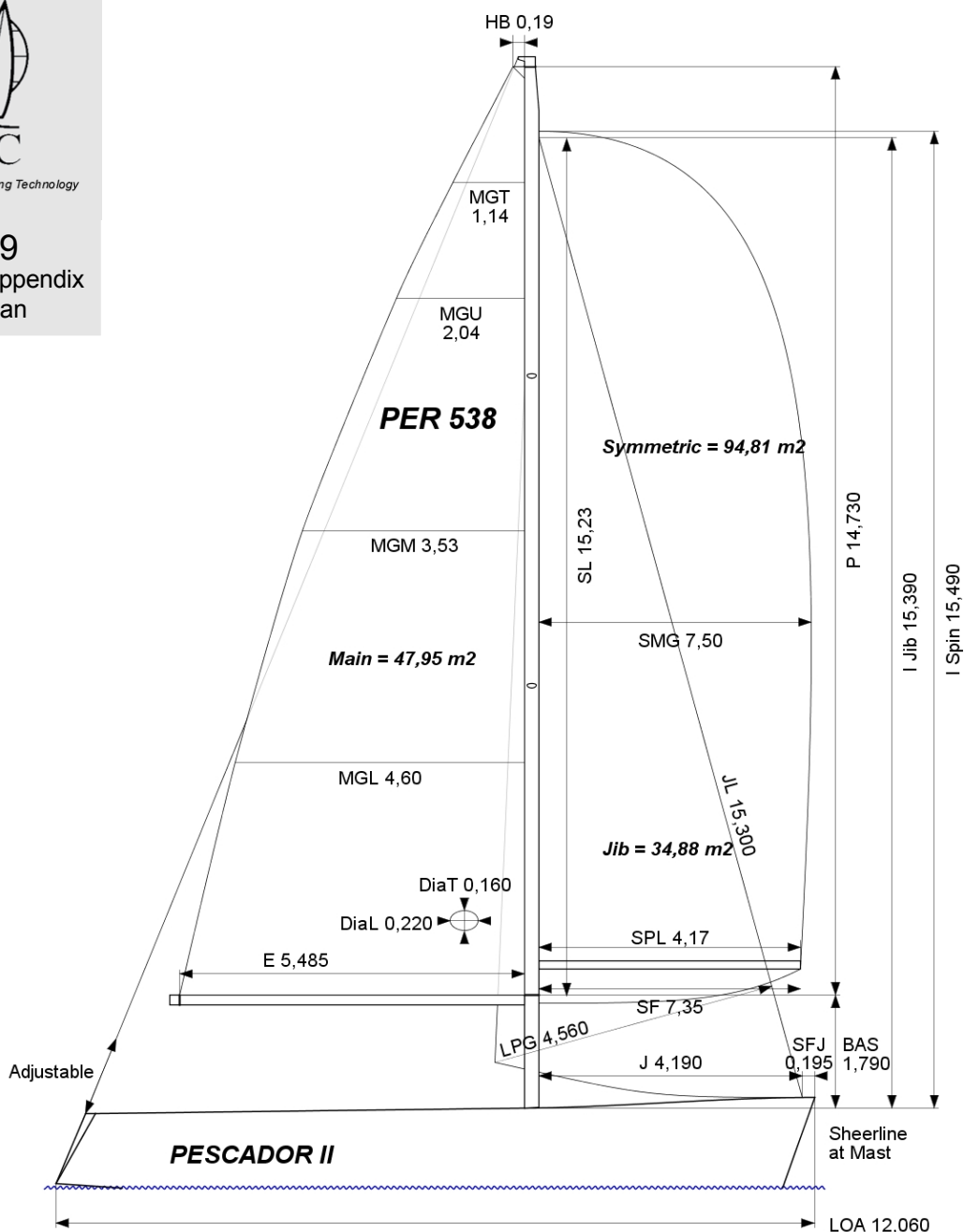
Number **PERI23**
ORC Ref **PER00000005**
Issued On **12/05/2009**
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Sail Plan



SAILS INVENTORY

MAINSAIL														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment		
ORC	0,190	1,14	2,04	3,53	4,60	0,00	47,95					* Copied from legacy		
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						4,56	15,30	109%	34,89					* Copied from
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	15,23	7,50	7,35	94,81					* Copied from legacy					
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		