

BOAT
Name SESTRI II Sail Nr PER 1602

GPH
589.5

HULL	Length Overall	13.350 m
	Maximum Beam	4.250 m
	Displacement	10,724 kg
	Draft	2.246 m
	IMS Reg. Division	Cruiser/Racer
	Dynamic Allowance	0.603%
	Fwd Accommodation	Yes
	Hull Construction	Solid
	Carbon Rudder	No
	Trim Tab	No
	IMS L	12.256
	VCGD	0.257
	VCGM	0.220
	Sink	29.83 kg/mm
	Wetted Area	38.18 m²



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GENERAL
Class Dufour 44
Designer Felci Yachts
Builder
Series 04/2002
Age 10/2006
Age Allowance 0.520%
Offset File dufour44.off - 29/12/2003 08:41:30
Measurement by Juan Carrion - 10/01/2007

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	589.5			663.7		
Time On Time	1.0178			1.0170		
Performance Line	PLT	PLD		PLT	PLD	
	0.856	80.9		0.984	249.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9848	1.2975	1.4798	0.7439	1.0259	1.2120

Rating Office

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Oceánicos del Peru

TIME ALLOWANCES	Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
	Beat VMG	1029.4	845.6	745.9	695.6	665.6	646.7	639.3
	52°	655.2	543.4	491.7	466.8	453.4	445.1	437.9
	60°	607.2	512.6	468.4	445.4	434.4	427.1	419.3
	75°	568.5	490.6	452.0	428.1	412.1	404.0	395.1
	90°	563.0	477.5	437.4	417.3	408.4	397.5	378.4
	110°	574.6	488.0	446.1	419.1	397.7	382.5	367.6
	120°	611.4	508.0	459.1	429.4	406.4	386.5	355.3
	135°	707.4	567.5	494.5	453.7	427.4	406.4	370.6
	150°	850.3	669.0	561.9	497.7	458.5	432.3	393.9
	Run VMG	981.8	772.5	648.8	568.4	513.4	473.9	424.3

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Selected Courses	Windward / Leeward	1024.4	821.2	708.0	640.1	596.4	566.9	538.2
	Circular Random	820.4	659.2	571.6	519.8	487.4	466.1	440.3
	Ocean for PCS	877.9	690.0	584.4	519.1	475.7	444.8	401.5
	Non Spinnaker	881.2	702.0	603.1	543.7	506.0	481.1	451.0

Crew Weight	
Declared	835 kg
Default*	925 kg
Non Manual Power	No

Special Scoring	
ToD	ToT
Double Handed	591.4 1.0145
Non Spinnaker	622.9 0.9633
N/S Perf. Line	46.9 0.757

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	45.5°	44.6°	43.3°	41.1°	39.9°	39.1°	39.7°
	Beat VMG	3.50	4.26	4.83	5.18	5.41	5.57	5.63
	52°	5.49	6.63	7.32	7.71	7.94	8.09	8.22
	60°	5.93	7.02	7.69	8.08	8.29	8.43	8.59
	75°	6.33	7.34	7.97	8.41	8.73	8.91	9.11
	90°	6.39	7.54	8.23	8.63	8.82	9.06	9.51
	110°	6.26	7.38	8.07	8.59	9.05	9.41	9.79
	120°	5.89	7.09	7.84	8.38	8.86	9.32	10.13
	135°	5.09	6.34	7.28	7.93	8.42	8.86	9.71
	150°	4.23	5.38	6.41	7.23	7.85	8.33	9.14
	Run VMG	3.67	4.66	5.55	6.33	7.01	7.60	8.48
	Gybe Angles	141.7°	146.1°	149.0°	158.1°	165.8°	170.1°	174.4°

Sails Limitations		
Genoa	Jibs	Spinnakers
4	3	4
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	42.88
Storm Jib (JL=11.58)	15.88
Storm Trysail	16.26

Owner

Jose Luis Canessa
Victor Mauritua 346
Miraflores, Lima
Peru

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

Signature

BOAT	
Name SESTRI II	Sail Nr PER 1602
File PER1602.dxt	Data in meters/kilograms

RIG			
Forestay Tension Aft	Spreaders 3		
Inner Forestay None Fitted	Runners 0		
Carbon Mast No	Jumpers None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	w/o Backstay No		
P 16.740	E 5.550	MDT1 0.120	TL 1.000
IG 17.550	J 5.250	MDL1 0.235	MWT 303.00
ISP 17.650	SFJ 0.150	MDT2 0.120	MCG 5.860
SPS 3.910	SPL 5.120	MDL2 0.180	CPW 2.770
BAS 1.720	TPS	MW 0.180	BD 0.190
BAL 0.280	FSP 0.080	GO 0.260	BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
cambio peso tripulación	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 19/05/2010		SG 1.0250
FFM 1.470	FF 1.470	SFFP 0.502
FAM 1.138	FA 1.138	SAFP 12.353
W1 137.00	PD1 496.4	WD 12.760
W2 137.00	PD2 490.5	GSA 1.0
W3 137.00	PD3 497.3	RSA 1.0
W4 137.00	PD4 503.4	PLM 9000.0
Maximum beam station from stern		8.500
RM Measured / Default		277.1 / 292.9
Limit of positive stability		105.2°
Stability Index		110.3
Freeboard at mast at 5.400		1.255

PROPELLER		
Installation Strut	PRD 0.460	
Type Folding	PBW 0.120	
Twin Screw No	PIPA 0.0040	
ST1 0.063	ST3 0.180	ST5 0.310
ST2 0.180	ST4 0.108	EDL 3.150

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	




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SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0.145	1.09	1.97	3.41	4.55	23.90	53.54	54.34	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0.09	0.92	1.80	3.63	5.51	17.53	7.44	64.47	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	17.73	9.43	9.20				138.65		SL · (SF + 4·SMG) / 6	

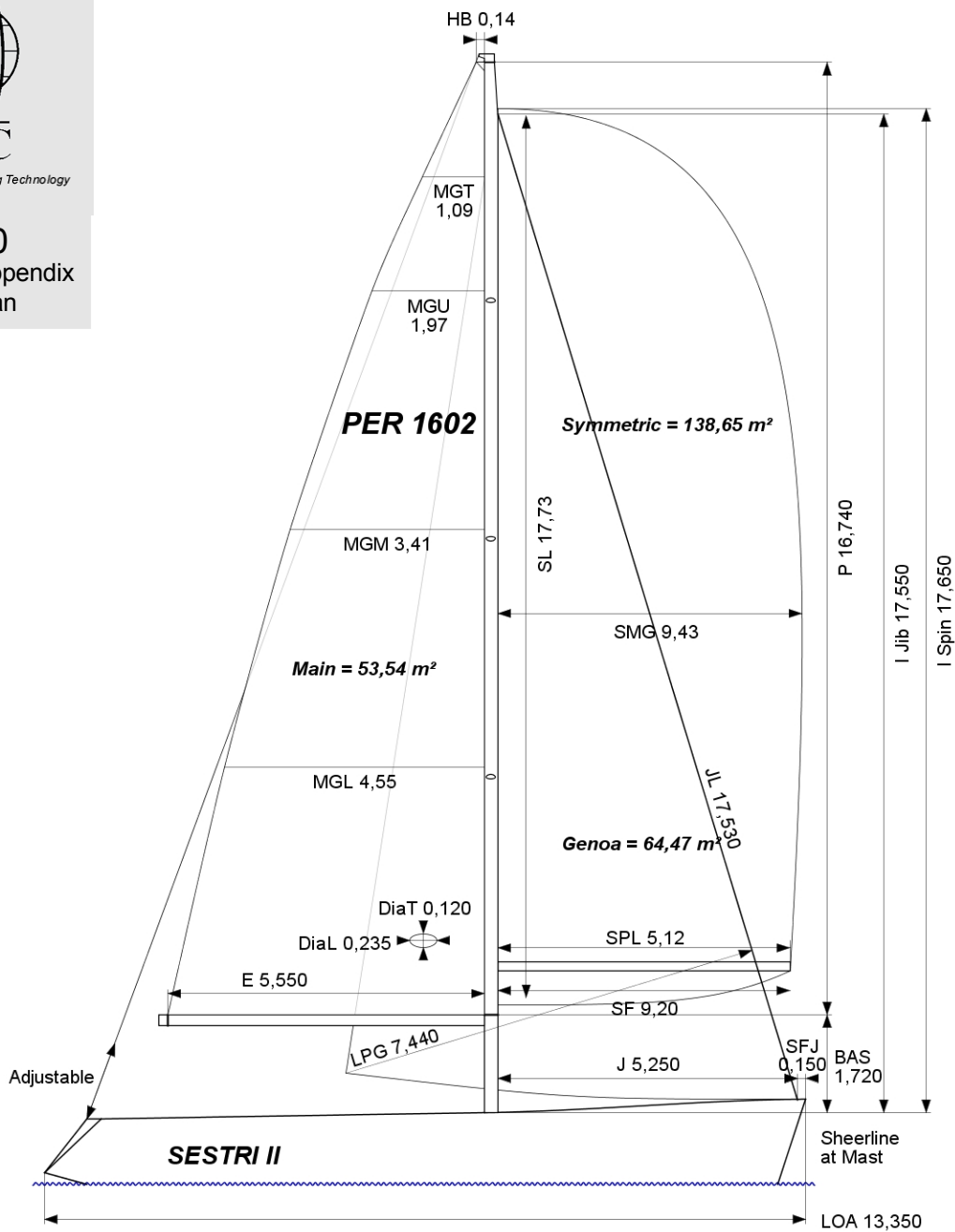
MEASUREMENT INVENTORY			
Measurer G.Liza / L.Yarlaque			
Date 19/05/2010			
Comment			
Id	Item	Weight	Distanc Description
1	Anchor	13.4	0.00 ubicado en proa
1	Chain	2.1	1.50 ubicado en proa
1	Tools	13.7	ubicado en popa
Id	Item	Maker	Model
1	Engine	Volvo	Penta 55 HP
Id	Item	Weight	Description

MEASUREMENT INVENTORY					
Id	Item	Tank Use	Tank Type	Capct	Dist. Condt Description
3	Liquid Tank	combustible		35.0	5.0 popa estribor
2	Liquid Tank	Agua		133.0	0.0 popa babor
1	Liquid Tank	Agua		70.0	0.0 proa centro
Id	Item	Weight	Distanc Description		
4	Ballast	12.0	Therma en centro babor		
3	Ballast	1.0	Extintor		
2	Ballast	1.0	Extintor		
1	Ballast	1.0	Extintor		
4	Battery	15.0	popa babor		
3	Battery	39.8	popa babor		
2	Battery	39.8	popa babor		
1	Battery	39.8	popa babor		



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Sail Plan



SAILS INVENTORY

MANSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.145	1.09	1.97	3.41	4.55	23.90	53.54	G LIZA	24/06/2010	QUANTUM	Kevlar	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.09	0.92	1.80	3.63	5.51	7.44	17.53	142%	64.48	G LIZA	24/06/2010	QUANTUM	Kevlar	
C1	0.08	0.87	1.73	3.58	5.52	7.46	17.46	142%	63.81	G LIZA	24/06/2010	QUANTUM	Kevlar	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
SP2	17.73	9.43	9.20	138.65	G LIZA	24/06/2010	QUANTUM	Polyester	
SP1	17.56	9.16	9.39	134.71	G LIZA	24/06/2010	QUANTUM	Polyester	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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