

BOAT
Name ADVENTURE
Sail Nr EST 533

GPH
631,6

HULL	
Length Overall	10,640 m
Maximum Beam	3,458 m
Displacement	5.886 kg
Draft	2,238 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0,038%
Fwd Accommodation	Yes
Hull Construction	Solid
Carbon Rudder	No
Crew Arm Extension	
IMS L	9,654
VCGD	0,170
VCGM	0,143
Sink	19,62 kg/mm
Wetted Area	25,61 m²



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GENERAL
Class First 36.7
Designer B.Farr
Builder Beneteau S.A.
Series 01/2001
Age 05/2001
Age Allowance 0,422%
Offset File F196.BOF - 25/6/2014 16:28:10
Measurement by A.Tetsmann/V.Rosme - 21/06/2010

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	614,4			681,9		
Time On Time	0,9766			0,9899		
Performance Line	PLT	PLD		PLT	PLD	
	0,854	116,7		0,802	178,9	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9293	1,2075	1,3582	0,7146	0,9815	1,1493

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1042,5	872,0	769,2	716,4	692,1	678,9	673,0
52°	681,7	576,0	521,4	500,2	492,2	488,0	484,5
60°	643,0	547,3	506,4	488,1	479,5	474,9	471,5
75°	611,4	528,1	496,4	477,7	463,3	453,6	446,5
90°	616,7	531,7	496,9	479,2	463,5	447,7	424,8
110°	652,1	540,2	496,3	472,2	449,2	430,6	414,1
120°	674,5	556,7	504,0	478,9	457,6	435,3	401,4
135°	752,9	616,4	534,9	497,9	475,5	454,5	412,7
150°	901,3	712,8	602,6	532,0	497,6	475,9	434,9
Run VMG	1040,7	823,0	693,7	600,9	537,5	501,5	459,3
Selected Courses							
Windward / Leeward	1041,6	847,5	731,4	658,7	614,8	590,2	566,1
Circular Random	870,9	703,1	612,7	560,1	527,7	506,8	481,3
Ocean for PCS	927,7	734,1	626,4	560,8	518,1	488,1	445,8
Non Spinnaker	912,4	732,6	634,8	577,1	541,4	518,1	489,4

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VPP Ver. 2014 1.01
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Crew Weight
Declared 720 kg
Default* 651 kg
Non Manual Pwr No

Special Scoring	
ToD	ToT
Double H.GPH 635,0	0,9449
Double H.OSN 619,0	0,9693
Non Spin GPH 654,8	0,9163
Non Spin OSN 635,5	0,9442
N/S Perf. Line 92,4	0,787

Sails Limitations		
Genoas 3	Jibs 2	Spinnakers 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	43,2°	42,0°	41,7°	39,7°	38,7°	38,0°	38,0°
Beat VMG	3,45	4,13	4,68	5,03	5,20	5,30	5,35
52°	5,28	6,25	6,90	7,20	7,31	7,38	7,43
60°	5,60	6,58	7,11	7,38	7,51	7,58	7,64
75°	5,89	6,82	7,25	7,54	7,77	7,94	8,06
90°	5,84	6,77	7,25	7,51	7,77	8,04	8,47
110°	5,52	6,66	7,25	7,62	8,01	8,36	8,69
120°	5,34	6,47	7,14	7,52	7,87	8,27	8,97
135°	4,78	5,84	6,73	7,23	7,57	7,92	8,72
150°	3,99	5,05	5,97	6,77	7,23	7,56	8,28
Run VMG	3,46	4,37	5,19	5,99	6,70	7,18	7,84
Gybe Angles	145,1°	151,3°	155,8°	167,3°	175,2°	178,7°	179,0°

Storm Sails Areas
Heavy Weather Jib 27,06
Storm Jib (JL=9,20) 10,02
Storm Trysail 11,51

Owner

BOAT	
Name ADVENTURE	Sail Nr EST 533
File (0)	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 21/06/2010			SG 1,0020		
FFM 1,318	FF 1,333	SFFP 0,367			
FAM 1,037	FA 1,040	SAFP 10,162			
W1 64,000	PD1 422,8	WD 11,180			
W2 64,000	PD2 428,2	GSA 1,0			
W3 64,000	PD3 426,8	RSA 1,0			
W4 64,000	PD4 430,8	PLM 9000,0			
LCF from stem on CL / on sheer		5,900 / 6,128			
Maximum beam station from stem		6,980			
RM Measured / Default		131,9 / 144,2			
Limit of positive stability / Stab.Index		111,4° / 114,0			
Freeboard at mast at 3,980		1,182			



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RIG					
Forestay Tension Aft	Spreaders 3				
Inner Stay None Fitted	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 13,850	E 4,750	MDT1 0,102	MW 0,187		
IG 14,090	J 3,980	MDL1 0,187	GO 0,206		
ISP 14,120	SFJ 0,000	MDT2 0,102	BD		
BAS 1,577	SPL 4,090	MDL2 0,150	MWT 165,00		
FSP 0,068	TPS	TL 0,720	MCG 5,130		

PROPELLER			
Installation Strut	PRD 0,410		
Type Folding	PBW		
Twin Screw No	PIPA 0,0027		
ST1 0,042	ST3	ST5 0,280	
ST2	ST4 0,090	EDL 2,480	

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MIZZEN RIG AND SAILS	
N/A	

MOVEABLE BALLAST			
N/A			

COMMENTS	

CENTERBOARD	
N/A	



Invalid for racing

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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	
	0,180	0,98	1,77	3,04	3,97	
	Area	Area (r)	Formula			
	38,94	39,67	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)			
Symmetric	SL	SMG	SF			
	14,00	7,60	7,36	88,11	SL · (SF + 4·SMG) / 6	
Asymmetric	Not Available					

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
					5,50	14,04	40,35				Unknow	G2

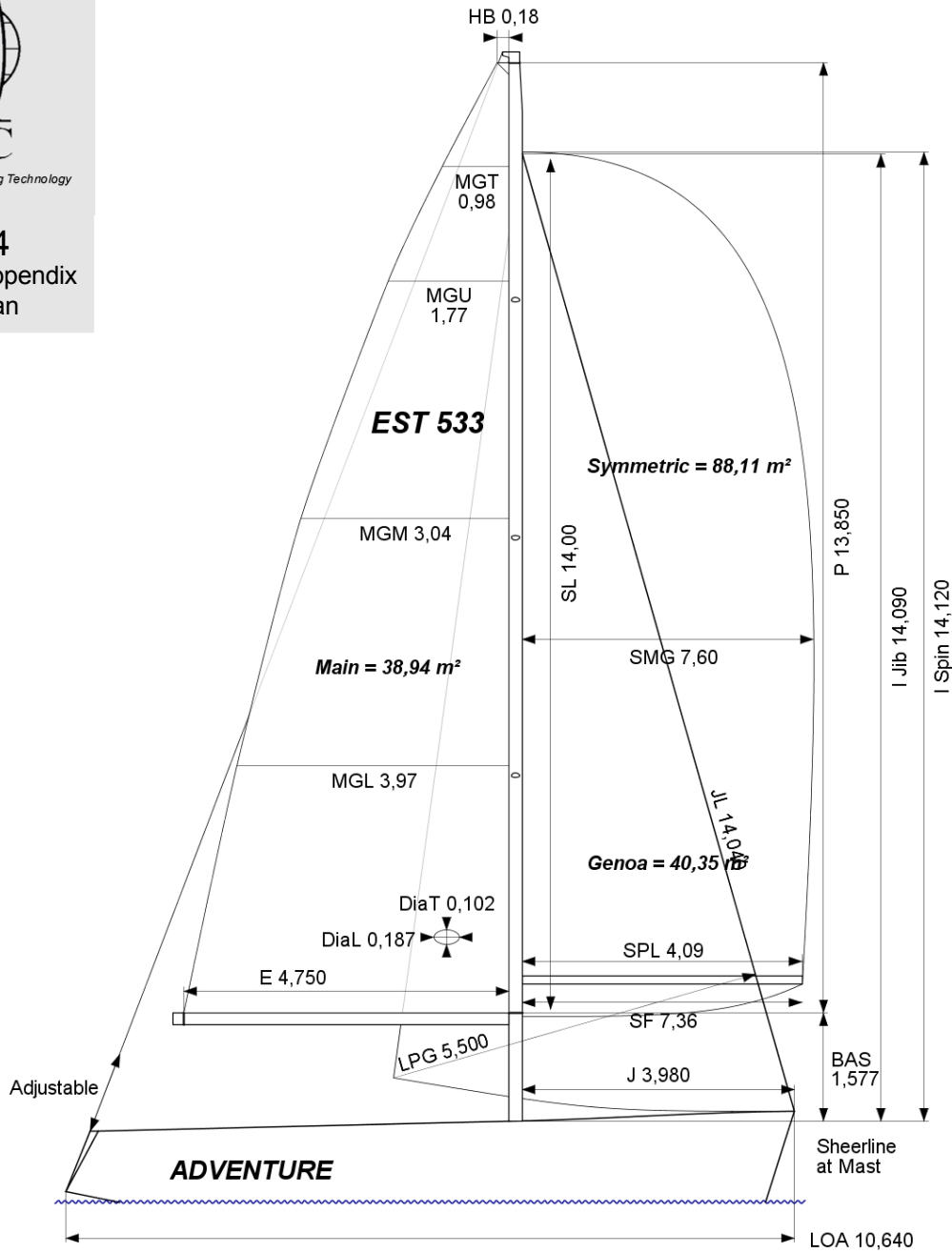
MEASUREMENT INVENTORY				
Measurer Veiko Rosme EST 2				
Date 21/06/2010				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
1	Anchor	15,0	0,50	
1	Tools	7,0	6,00	Toolbox,
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	VolvoPenta	MD2030-DBT	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>

MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank	Water	plastic	140,0	4,70		0,0	Fresh water tank,
2	Tank	Water	plastic	140,0	4,70		0,0	Fresh water tank,
3	Tank	Fuel	plastic	75,0	8,80		0,0	Diesel tank, center
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Battery		7,00	2 batteries 75 Ah in engine box				
1	Misc		8,00	Water heater 23L, portside				



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0,180	0,98	1,77	3,04	3,97	38,94					* Copied from legacy

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1						5,50	14,04	138%	40,35							Unknow G2

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	14,00	7,60	0,00	88,11					* Copied from legacy *

ASYMMETRIC SPINNAKERS

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