

BOAT Name Salient Sail Nr CAN 52082	GPH 595.0	HULL Length Overall 11.924m Maximum Beam 3.770m Displacement 7,419kg Draft 2.430m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.028% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder Yes Crew Arm Extension
GENERAL Class First 40.7 Designer Farr Builder Benetau Series 12/1997 Age 03/2002 Age Allowance 0.487% Offset File EFRST407.OFF - 11/26/16 12:39:28 PM Measurement by Haggerty - 13/02/2016		IMSL 10.700m VCGD -0.211m Sink 22.59kg/mm RL 9.721m VCGM 0.017m WS 30.08m² LSMO 10.615m Displacement/Length ratio 6.2028



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ORC International
Certificate

Rating Office
Portsmouth Olympic
Harbour
53 Yonge Street
Kingston, Ontario
Canada K7M 6G4



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	578.3			644.0		
Time on Time	1.0376			1.0482		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	679.9	527.3	472.6	875.6	647.5	563.6
Time on Time	0.9928	1.2800	1.4282	0.7709	1.0425	1.1977

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	965.8	803.2	713.6	677.3	661.9	654.6	649.4
52°	640.0	538.8	494.3	478.4	472.4	469.3	468.0
60°	608.8	517.9	482.4	467.4	460.8	457.2	454.5
75°	586.3	504.9	473.9	457.4	445.7	438.7	432.0
90°	592.5	506.8	472.8	454.0	438.7	425.2	407.2
110°	620.9	512.2	468.7	445.6	425.8	408.8	390.7
120°	640.1	525.1	474.6	449.2	426.8	405.7	372.8
135°	706.5	573.4	498.8	465.6	443.3	420.9	378.3
150°	836.7	664.4	561.4	497.6	466.8	445.8	404.8
Run VMG	966.1	767.2	648.1	569.2	517.2	479.2	436.6

Selected Courses							
Windward / Leeward	966.0	785.2	680.8	623.2	589.6	566.9	543.0
Circular Random	817.2	660.6	577.2	529.3	500.2	481.3	457.8
Coastal / Long Distance	966.0	738.9	615.3	546.1	510.3	482.1	437.4
Non Spinnaker	861.3	692.0	600.7	547.5	514.9	493.6	467.0

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	42.1°	41.0°	40.1°	38.7°	37.9°	38.0°	37.9°
Beat VMG	3.73	4.48	5.04	5.32	5.44	5.50	5.54
52°	5.63	6.68	7.28	7.52	7.62	7.67	7.69
60°	5.91	6.95	7.46	7.70	7.81	7.87	7.92
75°	6.14	7.13	7.60	7.87	8.08	8.21	8.33
90°	6.08	7.10	7.61	7.93	8.21	8.47	8.84
110°	5.80	7.03	7.68	8.08	8.45	8.81	9.22
120°	5.62	6.86	7.59	8.01	8.44	8.87	9.66
135°	5.10	6.28	7.22	7.73	8.12	8.55	9.52
150°	4.30	5.42	6.41	7.23	7.71	8.08	8.89
Run VMG	3.73	4.69	5.55	6.32	6.96	7.51	8.25
Gybe Angles	144.7°	149.1°	150.4°	155.5°	170.1°	180.0°	180.0°

Certificate
Number **BC8001**
ORC Ref **CAN00000604**
Issued On **4/29/18**
VPP Ver. **2018 1.00**
Valid until **12/31/18**

Crew Weight
Default **749kg**
Maximum **749kg**
Minimum* **562kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	598.2	1.0029
Double H.OSN	583.4	1.0285
Non Spin GPH	619.8	0.9681
Non Spin OSN	602.6	0.9957

Sails Limitations

Headsails	Spinnakers
6	4

Class Division Length
CDL = **10.211**

Storm Sails Areas

Heavy Weather Jib	32.85
Storm Jib (JL=10.14)	12.17
Storm Trysail	13.87

Owner
Christof Marti
863 Fredrick Rd.
North Vancouver, BC
Canada V7K 2Y5

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

BOAT	
Name Salient	Sail Nr CAN 52082
File Salient-CAN52082	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 13/02/2016				SG 1.0190	
FFM	1.349	FF	1.342	SFFP	0.292
FAM	1.088	FA	1.107	SAFP	11.313
W1	96.5	PD1	525.0	WD	12.580
W2	96.5	PD2	525.0	GSA	1.0
W3	96.5	PD3	529.0	RSA	1.0
W4	96.5	PD4	527.0	PLM	9000.0
LCF from stem on CL / on sheer				6.500 / 6.742	
Maximum beam station from stem				7.502	
RM Measured				181.6kg-m	
RM Default				184.4kg-m	
Limit of positive stability / Stab.Index				118.4° / 121.7	
Freeboard at mast at 4.410				1.203	

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	14.680	E	5.398	MDT1	0.117
IG	15.501	J	4.410	MDL1	0.214
ISP	15.755	SFJ		MDT2	0.117
BAS	1.721	SPL	4.429	MDL2	0.166
FSP	0.073	TPS	4.738	MWT	225.00
		TL	0.795	MCG	5.760


MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.435
Type	Feathering 3 blades	PBW	0.110
Twin Screw	No	PIPA	0.0033
ST1	0.045	ST3	0.170
ST2	0.170	ST4	0.100
		ST5	0.290
		EDL	2.260

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	




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IMS Measurement Certificate

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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.169	1.07	1.93	3.45	4.47	46.40	47.34	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.85	15.85	15.85	8.23	8.08	108.31		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	16.15	14.33	15.24	7.70	7.62	97.59		AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
					6.48	15.48	51.06				Unknow	
					6.45	14.94	49.05				Unknow	

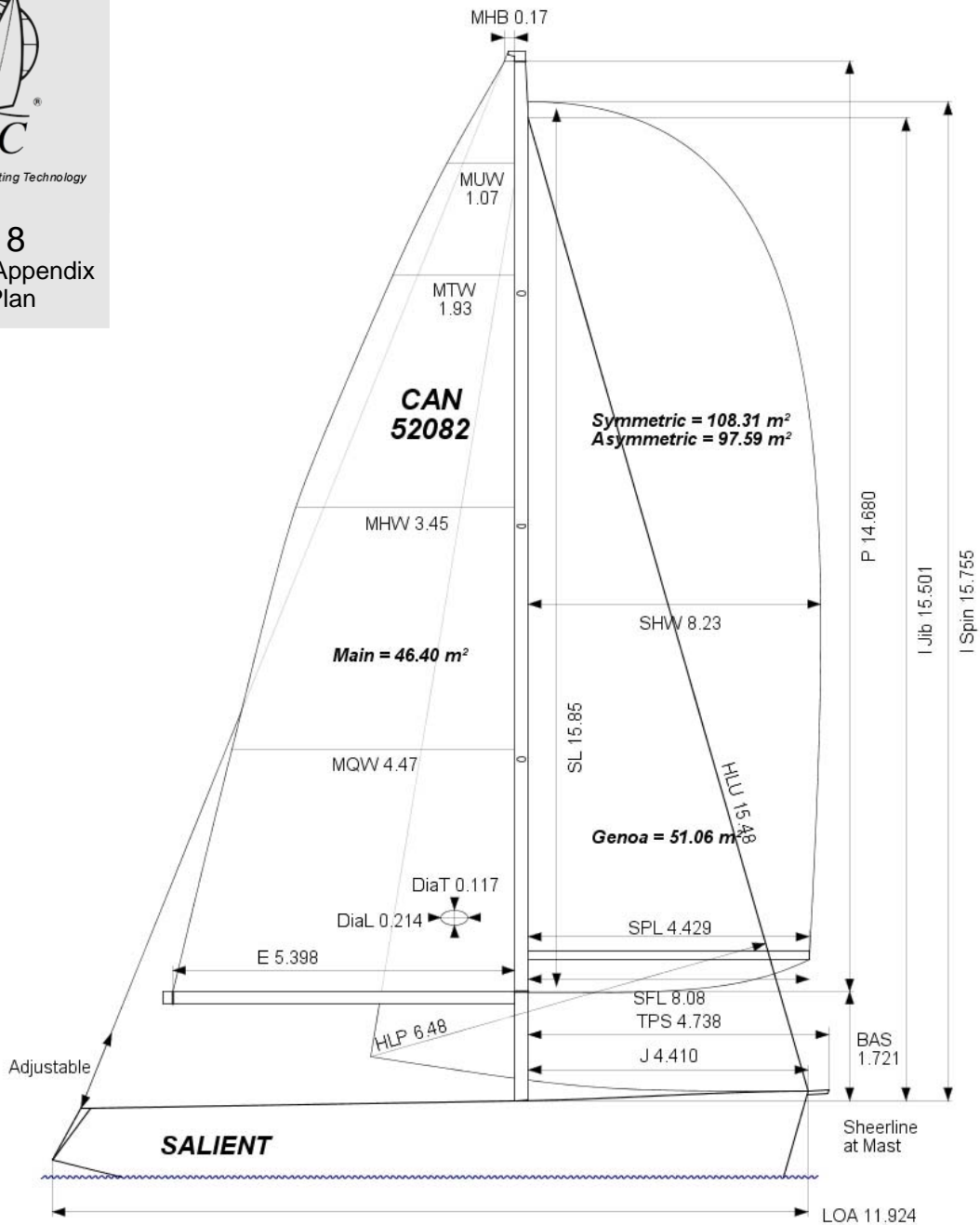
MEASUREMENT INVENTORY				
Measurer Haggerty / Lloyd				
Date 13/02/2016				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
	Fuel Tank	Fuel	Molded	138.0	9.13	0.15	138.0	0.0 off centreline -
Id	Item	Weight	Distance	VCG Description				
Star	Battery	28.6	7.24	0.00 0.0 off centreline				
Hou	Battery	119.7	8.53	0.00 -545 off Centreline				
Wat	Misc	28.0	8.40	0.00 0.850 off centreline				
Wat	Misc	36.3	8.91	0.00 -.675 off centreline				



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Certificate Appendix
Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2017	0.169	1.07	1.93	3.45	4.47	46.40					main cut down					
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2018-A						6.48	15.48	147%	51.06							Unknow
2018						6.45	14.94	146%	49.05							Unknow
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2018	15.85	15.85	15.85	8.23	8.08	108.31				Unknown						
ORC	15.50	15.50	15.50	7.83	7.80	101.06										
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2017	16.15	14.33	15.24	7.70	7.62	97.59	asym				Unknown					