

BOAT Name Generali - Assilina III Sail Nr SLO 878	GPH 454.3	HULL Length Overall 15.840m Maximum Beam 4.224m Displacement 7,458kg Draft 3.191m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension IMSL 15.291m VCGD -0.860m Sink 32.47kg/mm RL 14.555m VCGM -0.835m WS 41.22m² LSM0 14.961m Displacement/Length ratio 2.2271
GENERAL Class TP52 - ONE OFF Designer Bruce Farr Builder Southern Marine Series 05/2003 Age 05/2003 Age Allowance 0.487% Offset File 6214off.OFF - 01/07/2011 10:42:32 Measurement by - 28/06/2011		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	443.4			502.9		
Time on Time	1.3530			1.3422		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	516.0	405.6	350.6	672.1	510.0	433.4
Time on Time	1.3081	1.6641	1.9255	1.0043	1.3235	1.5573

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	749.7	618.2	573.9	553.5	535.6	524.7	520.1
52°	483.6	412.2	394.2	385.5	378.8	369.6	363.0
60°	451.4	395.6	379.5	369.5	362.5	351.7	341.4
75°	428.7	382.3	357.1	342.7	333.3	327.1	309.4
90°	432.3	383.8	349.9	324.9	311.2	301.7	288.9
110°	461.3	388.6	359.1	335.3	312.9	285.8	253.4
120°	477.5	393.2	352.5	327.7	308.5	284.8	251.6
135°	534.7	420.2	374.9	334.7	298.1	271.1	237.6
150°	643.5	500.1	424.3	378.2	347.9	310.6	245.5
Run VMG	743.0	577.5	489.9	440.9	401.7	358.6	283.4

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Number **I04/19**
ORC Ref **SLO00003899**
Issued On **23/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **1,223kg**
Maximum **1,290kg**
Minimum* **968kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	468.7	1.2802
Double H.OSN	460.9	1.3017
Non Spin GPH	488.6	1.2280
Non Spin OSN	480.1	1.2498

Selected Courses							
Windward / Leeward	746.4	597.8	531.9	497.2	468.6	441.6	401.8
Circular Random	624.0	505.2	441.5	403.4	377.7	358.4	329.4
Coastal / Long Distance	746.0	561.9	477.5	426.0	392.6	359.9	310.9
Non Spinnaker	681.7	547.5	474.1	429.6	400.1	378.7	348.7

Sails Limitations

Headsails	Spinnakers
7	5

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°	41.7°	39.9°	39.0°	38.3°	37.7°	38.1°
Beat VMG	4.80	5.82	6.27	6.50	6.72	6.86	6.92
52°	7.44	8.73	9.13	9.34	9.50	9.74	9.92
60°	7.98	9.10	9.49	9.74	9.93	10.24	10.54
75°	8.40	9.42	10.08	10.51	10.80	11.01	11.64
90°	8.33	9.38	10.29	11.08	11.57	11.93	12.46
110°	7.80	9.27	10.03	10.74	11.50	12.60	14.21
120°	7.54	9.15	10.21	10.99	11.67	12.64	14.31
135°	6.73	8.57	9.60	10.76	12.08	13.28	15.15
150°	5.59	7.20	8.49	9.52	10.35	11.59	14.67
Run VMG	4.84	6.23	7.35	8.17	8.96	10.04	12.70
Gybe Angles	141.0°	141.0°	146.9°	152.0°	148.8°	144.0°	144.3°

Class Division Length
CDL = **14.925**

Storm Sails Areas
Heavy Weather Jib **53.36**
Storm Jib (JL=12.93) **19.77**
Storm Trysail **25.09**

Owner

BOAT			
Name	Generali - Assilina	Sail Nr	SLO 878
File	SLO878	Data in	meters/kilograms

RIG			
Forestay Tension	Aft & Forward	Spreaders	2
Inner Stay	None Fitted	Runners	0
Carbon Mast	Yes	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	20.390	E	7.030
IG	19.880	J	6.175
ISP	22.395	SFJ	0.390
BAS	2.131	SPL	0.245
FSP	0.074	TPS	8.410
MDT1	0.151	MW	0.325
MDL1	0.325	GO	0.325
MDT2	0.136	BD	0.352
MDL2	0.245	MWT	320.00
TL	2.950	MCG	7.810

INCLINING TEST AND FREEBOARDS			
Inclining Test	Boom Inclining	LCFD	
Flotation date	25/04/2019	SG 1.0230	
FFM	1.478	FF	1.477
FAM	1.165	FA	1.171
SFFP	0.457	SAFP	14.261
W1	153.8	PD1	222.1
W2	153.8	PD2	224.5
W3	153.8	PD3	225.5
W4	153.8	PD4	226.0
WD	7.000	GSA	1.0
RSA	1.0	PLM	9000.0
LCF from stem on CL / on sheer	8.663 / 8.897		
Maximum beam station from stem	10.100		
RM Measured	377.6kg-m		
RM Default	357.3kg-m		
Limit of positive stability / Stab.Index	139.2° / 139.5		
Freeboard at mast at 6.565	1.292		



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MIZZEN RIG AND SAILS			
N/A			

PROPELLER			
Installation	Strut	PRD	0.420
Type	Folding 2 blades	PBW	0.112
Twin Screw	No	PIPA	0.0038
ST1	0.043	ST3	0.180
ST2	0.180	ST4	0.112
ST5	0.290	EDL	1.730

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COMMENTS	
Forward freeboards to be measured at the centre of bowsprit bolts and then corrected for: Port: add 37 mm, Stbd: add 53 mm	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.960	2.66	3.53	4.92	6.09	96.91	99.59	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	24.62	21.57	23.09	13.22	13.30	254.74		AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.10	1.14	1.85	3.26	4.71	6.19	19.47	63.19	Y		30/03/2019	Unknow	
0.13	0.96	1.68	3.08	4.55	6.05	19.66	60.93	Y		30/03/2019	Unknow	
0.20	0.92	1.65	3.04	4.52	6.10	19.68	60.73	Y		30/03/2019	Unknow	
0.10	0.97	1.80	3.25	4.35	5.24	18.70	55.73	Y		30/03/2019	Unknow	
0.08	0.67	1.31	2.62	4.00	5.53	16.64	44.75	Y		30/03/2019	Unknow	
0.08	0.67	1.28	2.54	3.88	5.33	15.01	39.13	Y		30/03/2019	Unknow	

MEASUREMENT INVENTORY				
Measurer	CRO03, SLO03			
Date	25/04/2019			
Comment	Portorož			
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
E1	Engine	YANMAR	4GJH3E	
Id	Item	Weight Description		

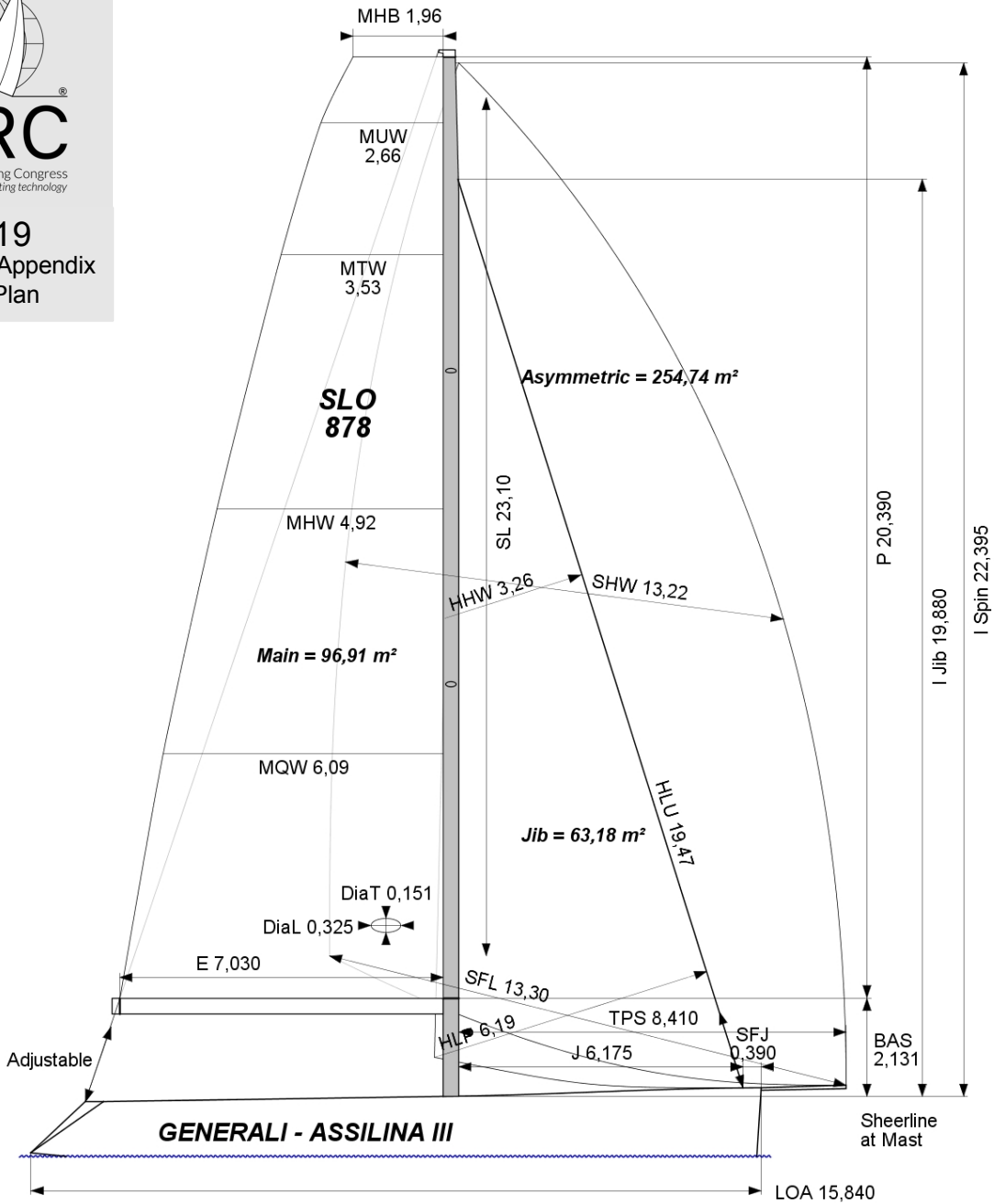
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
F1	Tank	FUEL	ALU	100.0	11.30		0-0
W1	Tank	WATER	CARBON	70.0	7.30		0-0
Id	Item	Weight	Distance	VCG Description			
N1	Ballast			NONE			
B1	Battery		9.30	1 X 75 Ah			
B2	Battery		9.30	2 X 120 Ah			



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M2	1.96	2.66	3.53	4.92	6.09	96.82		30/03/2019	North Sails	Unknown						
M	1.45	2.22	3.22	4.74	6.01	92.54		30/03/2019	North Sails	Unknown						
HEADSAILS (6)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J15G	0.10	1.14	1.85	3.26	4.71	6.19	19.47	100%	63.19	Y			30/03/2019	North Sails	Unknown	
J1F	0.13	0.96	1.68	3.08	4.55	6.05	19.66	98%	60.93	Y			30/03/2019	North Sails	Unknown	
J2-2	0.20	0.92	1.65	3.04	4.52	6.10	19.68	99%	60.73	Y			30/03/2019	North Sails	Unknown	
Stay	0.10	0.97	1.80	3.25	4.35	5.24	18.70	85%	55.73		Y		30/03/2019	North Sails	Unknown	
J4	0.08	0.67	1.31	2.62	4.00	5.53	16.64	90%	44.75	Y			30/03/2019	Doyle	Unknown	
J5	0.08	0.67	1.28	2.54	3.88	5.33	15.01	86%	39.13	Y			30/03/2019	North Sails	Unknown	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
a2	24.62	21.57	23.09	13.22	13.30	254.74	asym				Nylon					
a4	24.32	21.40	22.86	13.42	13.10	254.44	asym				Nylon					
a1	24.75	20.42	22.59	12.33	12.98	234.51	asym				Nylon					
C0	22.40	20.55	21.48	9.30	12.40	177.53	asym		03/06/2014		Nylon					