

BOAT Name Release Sail Nr AUT 741	GPH 572.8	HULL Length Overall 12.500m Maximum Beam 3.816m Displacement 7,606kg Draft 2.228m IMS Reg. Division Performance Dynamic Allowance 0.052% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class Salona 41 Designer J&J Builder ADIBOATS Series 01/2010 Age 01/2011 Age Allowance 0.292% Offset File S41.OFF - 24/02/2015 18:08:24 Measurement by - 23/04/2015		IMSL 11.654m VCGD -0.225m Sink 24.39kg/mm RL 10.022m VCGM -0.086m WS 32.78m² LSM0 11.717m Displacement/Length ratio 4.7283



ORC
Offshore Racing Congress
World leader in rating technology

2019
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	557.0			623.1		
Time on Time	1.0773			1.0833		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	655.3	507.7	452.4	847.7	626.1	543.7
Time on Time	1.0301	1.3294	1.4919	0.7963	1.0781	1.2415

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	968.4	796.0	705.3	667.0	649.9	641.8	626.3
52°	630.3	528.8	481.0	463.8	457.0	453.6	446.4
60°	593.5	504.5	467.0	451.3	444.4	440.5	434.6
75°	564.9	488.0	456.9	440.0	427.7	420.1	412.6
90°	569.1	488.5	455.8	437.1	420.7	405.5	385.2
110°	584.4	484.7	446.3	423.6	407.9	395.3	375.0
120°	599.0	493.1	450.3	424.9	400.0	379.8	355.6
135°	662.8	535.8	470.1	440.8	416.4	390.9	341.2
150°	783.9	624.5	527.9	471.1	443.1	420.5	373.7
Run VMG	905.2	721.1	609.5	538.6	492.8	457.3	412.4

Certificate
Number **I14/19**
ORC Ref **AUT00002636**
Issued On **04/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **863kg**
Maximum **800kg**
Minimum* **600kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	581.0	1.0326
Double H.OSN	566.2	1.0596
Non Spin GPH	605.1	0.9916
Non Spin OSN	588.9	1.0188

Selected Courses							
Windward / Leeward	936.8	758.6	657.4	602.8	571.3	549.5	519.4
Circular Random	787.8	636.5	555.8	509.2	480.4	461.0	434.3
Coastal / Long Distance	933.6	712.4	593.2	526.7	490.9	462.0	415.8
Non Spinnaker	846.0	677.6	586.3	532.6	499.2	476.9	447.5

Sails Limitations

Headsails	Spinnakers
6	4

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	43.4°	41.7°	40.8°	39.7°	39.0°	38.6°	39.0°
Beat VMG	3.72	4.52	5.10	5.40	5.54	5.61	5.75
52°	5.71	6.81	7.48	7.76	7.88	7.94	8.07
60°	6.07	7.14	7.71	7.98	8.10	8.17	8.28
75°	6.37	7.38	7.88	8.18	8.42	8.57	8.73
90°	6.33	7.37	7.90	8.24	8.56	8.88	9.35
110°	6.16	7.43	8.07	8.50	8.83	9.11	9.60
120°	6.01	7.30	7.99	8.47	9.00	9.48	10.12
135°	5.43	6.72	7.66	8.17	8.64	9.21	10.55
150°	4.59	5.76	6.82	7.64	8.12	8.56	9.63
Run VMG	3.98	4.99	5.91	6.68	7.31	7.87	8.73
Gybe Angles	142.8°	147.1°	149.5°	155.2°	166.9°	180.0°	180.0°

Class Division Length
CDL = **10.839**

Storm Sails Areas
Heavy Weather Jib **34.37**
Storm Jib (JL=10.38) **12.73**
Storm Trysail **15.40**

Owner

BOAT	
Name Release	Sail Nr AUT 741
File release	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 13/06/2011			SG 1.0020		
FFM	1.380	FF	1.392	SFFP	0.250
FAM	1.108	FA	1.115	SAFP	11.973
W1	97.0	PD1	521.0	WD	13.680
W2	97.0	PD2	522.0	GSA	1.0
W3	97.0	PD3	520.8	RSA	1.0
W4	97.0	PD4	519.9	PLM	9000.0
LCF from stem on CL / on sheer					7.024 / 7.271
Maximum beam station from stem					8.380
RM Measured					200.6kg-m
RM Default					203.6kg-m
Limit of positive stability / Stab.Index					121.8° / 125.3
Freeboard at mast at 5.050					1.226



ORC
Offshore Racing Congress
World leader in rating technology

2019
IMS Measurement
Certificate

RIG					
Forestay Tension Aft	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 15.300	E 5.750	MDT1 0.116	MW 0.222		
IG 15.895	J 5.050	MDL1 0.222	GO 0.241		
ISP 17.600	SFJ 0.000	MDT2 0.103	BD 0.234		
BAS 1.860	SPL 5.090	MDL2 0.177	MWT 157.000		
FSP 0.076	TPS	TL 1.380	MCG 5.630		

Certificate	
Number	I14/19
ORC Ref	AUT00002636
Issued On	04/06/2019
VPP Ver.	2019 1.01
Valid until	31/12/2019

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.440
Type	Folding 2 blades	PBW	0.125
Twin Screw	No	PIPA	0.0036
ST1	0.042	ST3	0.180
ST2	0.180	ST4	0.112
		ST5	0.270
		EDL	1.950

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.450	1.40	2.32	3.76	4.86	53.73	55.14	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	131.86		SL · (SFL + 4·SHW) / 6	
	17.64	17.64	17.64	9.00	8.85				
Asymmetric	Not Available								

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
0.10	1.01	1.85	3.17	4.19	5.15	15.98	46.74	N	N	16/04/2015	Carbon	Light
0.11	0.93	1.72	3.03	4.11	5.17	16.00	45.57	N	N	16/04/2015	Carbon	Medium
0.10	0.92	1.73	3.04	4.12	5.13	15.96	45.42			14/06/2017	Unknow	Light
0.10	0.91	1.72	3.02	4.11	5.13	15.96	45.27			14/06/2017	Unknow	2017
					4.05	15.80	32.58				Unknow	2012

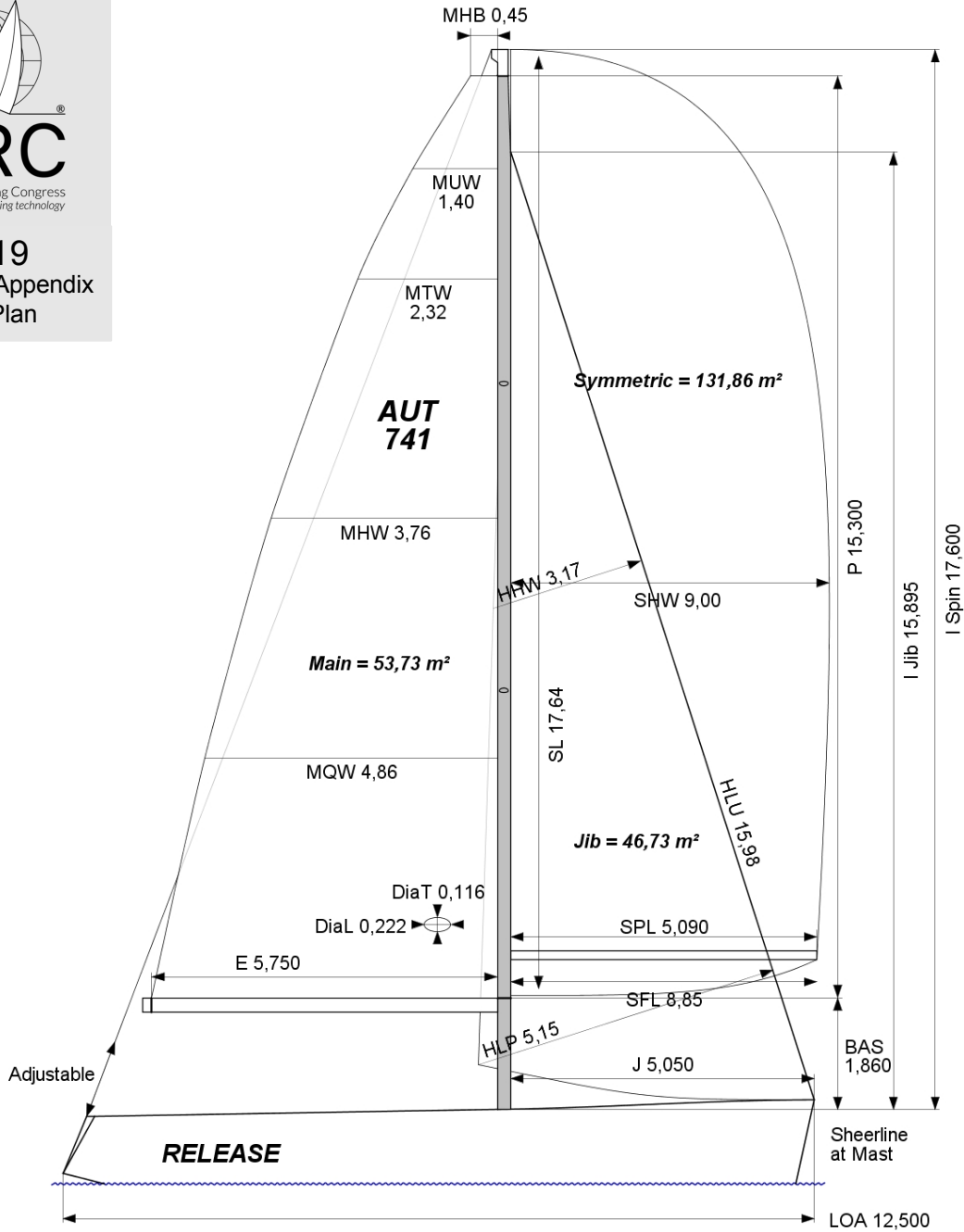
MEASUREMENT INVENTORY				
Measurer 120				
Date 13/06/2011				
Comment				
Id	Item	Weight	Distance	VCG Description
A	Anchor	10.0	5.65	0.00 ANCOR+CATE
B	Anchor	8.0	4.65	0.00
A	Feels	8.0	6.70	0.00
Id	Item	Maker	Model	
A	Engine	YANMAR		
Id	Item	Weight	Description	
A	Deck-Gear	15.0		

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtm Description
A	Tank	ACQUA	INOX	230.0	6.05	0.00	0-0 2X115
B	Tank	GASOLIO	INOX	70.0	9.75	0.00	10-0 LT
Id	Item	Weight	Distance	VCG Description			
A	Battery	70.0	5.45	0.00 2X110 AMP			



ORC
 Offshore Racing Congress
 World leader in rating technology

2019
 Certificate Appendix
 Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2017	0.45	1.40	2.32	3.76	4.86	53.74		14/06/2017	One Sails	Unknown	

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment	
G	0.10	1.01	1.85	3.17	4.19	5.15	15.98	102%	46.74	N	N		16/04/2015	VELMAR	Carbon	Light	
F	0.11	0.93	1.72	3.03	4.11	5.17	16.00	102%	45.57	N	N		16/04/2015	VELMAR	Carbon	Medium	
Light	0.10	0.92	1.73	3.04	4.12	5.13	15.96	102%	45.42				14/06/2017	One Sails	Unknown	Light	
Medium	0.10	0.91	1.72	3.02	4.11	5.13	15.96	102%	45.27				14/06/2017	One Sails	Unknown	2017	
Windsee						4.05	15.80	80%	32.58							Unknown	2012

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	17.64	17.64	17.64	9.00	8.85	131.86		14/06/2017	One Sails	Unknown	2017
S1	17.61	17.61	17.61	8.89	8.90	130.50		23/04/2015		Unknown	G
S2	17.64	17.64	17.64	8.85	8.90	130.25		31/08/2015	One / CBS	Nylon	2015

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
----	-----	-----	----	-----	-----	------	------	----------	-----------	-------------	----------	---------