

BOAT Name TASMANIA Sail Nr ITA-14175	GPH 597.2	HULL Length Overall 11.924m Maximum Beam 3.770m Displacement 7,340kg Draft 2.426m 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 BENETEAU Series 12/1997 Age 07/2001 Age Allowance 0.487% Offset File EFRST407.OFF - 25/10/2016 17:33:16 Measurement by - 19/04/2019		IMSL 10.683m VCGD -0.153m Sink 22.48kg/mm RL 9.605m VCGM 0.080m WS 29.97m² LSM0 10.600m Displacement/Length ratio 6.1628



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	580.7			647.0		
Time on Time	1.0331			1.0433		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	682.2	529.5	474.5	879.2	650.5	565.9
Time on Time	0.9894	1.2748	1.4225	0.7677	1.0376	1.1928

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.3	808.5	718.2	681.3	666.0	658.8	652.3
52°	643.1	543.2	496.9	480.6	474.5	471.5	469.3
60°	610.7	521.7	484.6	469.3	462.8	459.4	457.1
75°	586.1	507.5	475.9	459.1	447.7	441.1	435.0
90°	590.9	508.2	474.4	455.1	440.7	427.4	410.0
110°	621.8	513.7	469.9	446.9	426.9	409.5	390.7
120°	639.7	525.6	475.3	450.2	427.9	407.3	373.2
135°	707.9	574.5	499.9	466.3	444.0	421.7	379.7
150°	837.8	665.7	563.0	499.3	467.8	446.7	405.7
Run VMG	967.5	768.7	650.0	571.2	518.5	480.1	437.3

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Number **141751**
ORC Ref **ITA00051914**
Issued On **23/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **748kg**
Maximum **660kg**
Minimum* **495kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	604.3	0.9930
Double H.OSN	588.9	1.0188
Non Spin GPH	623.0	0.9631
Non Spin OSN	605.9	0.9903

Selected Courses							
Windward / Leeward	969.9	788.6	684.1	626.3	592.3	569.5	544.8
Circular Random	819.8	663.0	579.5	531.5	502.2	483.2	459.4
Coastal / Long Distance	969.7	741.9	618.0	548.4	512.5	484.2	439.1
Non Spinnaker	865.8	695.7	603.8	550.3	517.4	496.0	469.0

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	42.2°	40.7°	40.0°	38.7°	38.1°	37.7°	37.9°
Beat VMG	3.70	4.45	5.01	5.28	5.41	5.46	5.52
52°	5.60	6.63	7.24	7.49	7.59	7.63	7.67
60°	5.89	6.90	7.43	7.67	7.78	7.84	7.88
75°	6.14	7.09	7.56	7.84	8.04	8.16	8.28
90°	6.09	7.08	7.59	7.91	8.17	8.42	8.78
110°	5.79	7.01	7.66	8.05	8.43	8.79	9.21
120°	5.63	6.85	7.57	8.00	8.41	8.84	9.65
135°	5.09	6.27	7.20	7.72	8.11	8.54	9.48
150°	4.30	5.41	6.39	7.21	7.70	8.06	8.87
Run VMG	3.72	4.68	5.54	6.30	6.94	7.50	8.23
Gybe Angles	144.6°	148.9°	150.6°	155.4°	170.0°	180.0°	180.0°

Class Division Length

CDL = **10.145**

Storm Sails Areas

Heavy Weather Jib **33.71**
Storm Jib (JL=10.28) **12.49**
Storm Trysail **13.61**

Owner

BOAT	
Name TASMANIA	Sail Nr ITA-14175
File I14175	Data in meters/kilograms

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 14.500	E 5.360 MDT1 0.116 MW 0.216
IG 15.730	J 4.420 MDL1 0.216 GO 0.236
ISP 15.800	SFJ MDT2 0.116 BD 0.190
BAS 1.715	SPL 4.430 MDL2 0.180 MWT 200.00
FSP 0.064	TPS 5.250 TL 0.580 MCG 5.700

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 19/04/2019	SG 1.0260	
FFM 1.347	FF 1.345	SFFP 0.292
FAM 1.108	FA 1.111	SAFP 11.313
W1 110.0	PD1 583.0	WD 11.340
W2 110.0	PD2 570.0	GSA 1.0
W3 110.0	PD3 576.3	RSA 1.0
W4 110.0	PD4 580.2	PLM 9000.0
LCF from stem on CL / on sheer		6.497 / 6.737
Maximum beam station from stem		7.502
RM Measured		170.1kg-m
RM Default		181.5kg-m
Limit of positive stability / Stab.Index		115.4° / 118.5
Freeboard at mast at 4.420		1.207



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.435	
Type Folding 2 blades	PBW 0.111	
Twin Screw No	PIPA 0.0031	
ST1 0.048	ST3 0.170	ST5 0.275
ST2 0.170	ST4 0.098	EDL 2.270

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.290	1.15	1.99	3.37	4.48	45.93	46.90	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.62	15.62	15.62	8.07	8.04	104.97		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL		Area (r)		
	16.00	15.30	15.65	5.76	7.60	79.92	87.28	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
0.09	0.76	1.48	3.04	4.68	6.31	15.43	47.88	N	N	17/06/2017	Carbon	
0.09	0.76	1.46	2.94	4.50	6.14	15.37	46.25	N	N	29/03/2016	Carbon	
0.10	0.74	1.42	2.86	4.45	6.12	15.56	46.18	N	N	22/04/2016	Unknow	
0.08	0.00	0.00	0.00	0.00	4.40	15.59	34.86	Y	N	29/03/2016	Carbon	
0.00	0.00	0.00	0.00	0.00	2.58	8.06	10.59	N	N	29/03/2016	Dacron	

MEASUREMENT INVENTORY				
Measurer 120				
Date 19/04/2019				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	VOLVO	2040 - 40 CV	
Id	Item	Weight Description		

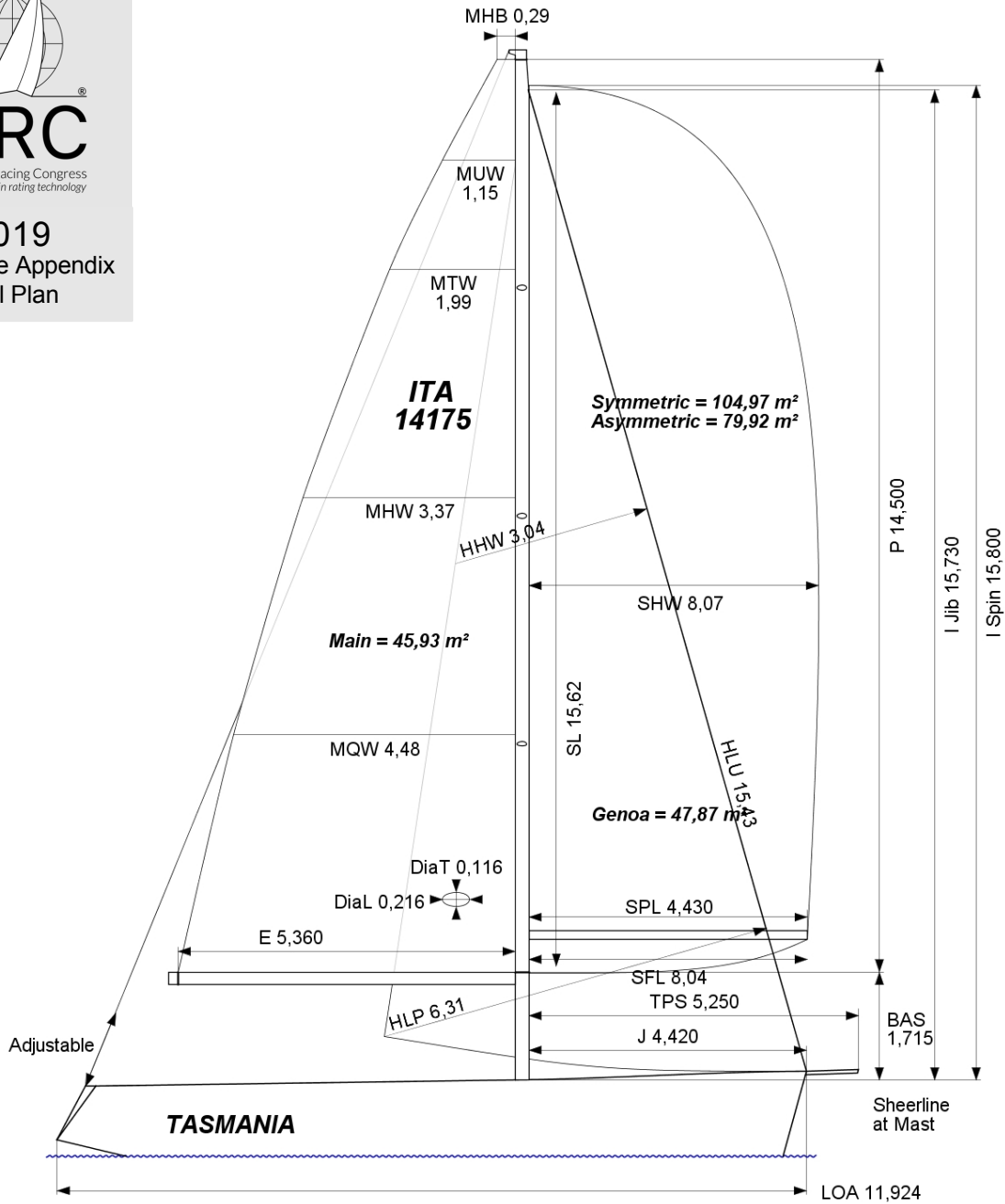
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
A	Tank	GASOLIO	PVC	120.0	9.10	0.00		25-0 L	
B	Tank	ACQUA	PVC	300.0	5.40	0.00		0-0 2x150 DX SX VUOTI	
Id	Item	Weight	Distance	VCG Description					
A	Battery	0.0	7.40	0.00 1 x 75 Ah + 1 x 100 Ah					



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.29	1.15	1.99	3.37	4.48	45.93		04/04/2018		Unknown	
D	0.17	1.07	1.93	3.32	4.46	45.26		05/04/2019	ONE	Carbon	

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
E	0.09	0.76	1.48	3.04	4.68	6.31	15.43	143%	47.88	N	N		17/06/2017	ONE SAIL	Carbon	
A	0.09	0.76	1.46	2.94	4.50	6.14	15.37	139%	46.25	N	N		29/03/2016	VELMAN	Carbon	
D	0.10	0.74	1.42	2.86	4.45	6.12	15.56	138%	46.18	N	N		22/04/2016		Unknown	
B	0.08	0.00	0.00	0.00	0.00	4.40	15.59	100%	34.86	Y	N		29/03/2016	VELMAN	Carbon	
C	0.00	0.00	0.00	0.00	0.00	2.58	8.06	58%	10.59	N	N		29/03/2016	VELMAN	Dacron	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	15.62	15.62	15.62	8.07	8.04	104.97		17/06/2017	EUROSAIL	Nylon	

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	16.00	15.30	15.65	5.76	7.60	79.92	asym		19/04/2019	ONE	Polyester	