

BOAT
Name POSTIMEES SAILING TEAM
Sail Nr EST 850

GPH
600.9

HULL			
Length Overall	11.312m		
Maximum Beam	3.640m		
Displacement	5,927kg		
Draft	1.987m		
IMS Reg. Division	Cruiser/Racer		
Dynamic Allowance	0.063%		
Fwd Accommodation	Yes		
Hull Construction	Cored		
Carbon Rudder	Yes		
Crew Arm Extension			
IMSL	10.171m	VCGD	0.016m Sink 21.07kg/mm
RL	8.959m	VCGM	0.080m WS 27.34m ²
LSM0	9.959m	Displacement/Length ratio	6.0005



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2019
ORC International
Certificate

GENERAL
Class ONE OFF
Designer CYD
Builder RIDAS YACHT OÜ
Series 04/2018
Age 04/2018
Age Allowance 0.033%
Offset File est850.off - 5/11/2018 8:28:23 PM
Measurement by Tagu - 25/06/2019

Rating Office
EYU
Purje 8
11911, Tallinn
Estonia

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	584.8			656.1		
Time on Time	1.0260			1.0288		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	689.1	532.1	474.9	893.6	657.8	574.7
Time on Time	0.9795	1.2686	1.4215	0.7554	1.0262	1.1745

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1025.2	845.6	745.8	705.5	690.4	685.2	677.2
52°	665.4	559.0	506.2	485.8	479.2	476.3	471.6
60°	625.2	532.3	490.9	472.7	465.0	461.3	457.3
75°	595.3	513.6	480.1	460.9	446.4	437.8	431.7
90°	602.1	514.1	474.4	452.5	440.3	423.4	402.8
110°	606.7	504.6	465.4	439.3	418.9	399.7	377.9
120°	623.0	513.7	470.0	442.4	416.0	393.0	358.3
135°	687.9	557.6	490.9	460.0	433.9	408.7	359.9
150°	820.3	655.0	550.4	490.6	461.8	437.6	391.9
Run VMG	947.2	756.3	635.6	558.9	509.9	474.8	427.8

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VPP Ver. 2019 1.01
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Crew Weight
Default 684kg
Maximum 765kg
Minimum* 574kg
<i>*when applied by the NoR and SI</i>
Non Manual Pwr No

Selected Courses							
Windward / Leeward	986.2	801.0	690.7	632.2	600.1	580.0	552.5
Circular Random	827.1	668.0	582.9	533.8	503.7	483.7	457.6
Coastal / Long Distance	982.3	751.5	622.5	551.6	514.8	484.5	434.2
Non Spinnaker	886.3	709.9	614.3	558.4	524.1	501.7	473.4

Special Scoring
ToD ToT
Double H.GPH 610.8 0.9823
Double H.OSN 596.2 1.0064
Non Spin GPH 634.2 0.9461
Non Spin OSN 616.3 0.9735

Sails Limitations
Headsails 5
Spinnakers 3

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°	42.1°	41.2°	40.1°	40.4°	40.3°	40.8°
Beat VMG	3.51	4.26	4.83	5.10	5.21	5.25	5.32
52°	5.41	6.44	7.11	7.41	7.51	7.56	7.63
60°	5.76	6.76	7.33	7.62	7.74	7.80	7.87
75°	6.05	7.01	7.50	7.81	8.06	8.22	8.34
90°	5.98	7.00	7.59	7.96	8.18	8.50	8.94
110°	5.93	7.13	7.74	8.19	8.59	9.01	9.53
120°	5.78	7.01	7.66	8.14	8.65	9.16	10.05
135°	5.23	6.46	7.33	7.83	8.30	8.81	10.00
150°	4.39	5.50	6.54	7.34	7.80	8.23	9.19
Run VMG	3.80	4.76	5.66	6.44	7.06	7.58	8.41
Gybe Angles	140.3°	148.5°	149.1°	156.4°	172.4°	180.0°	180.0°

Class Division Length
CDL = 9.566

Storm Sails Areas
Heavy Weather Jib 30.07
Storm Jib (JL=9.71) 11.14
Storm Trysail 12.85

Owner
OÜ Läänakas, S.Nuutmann
Poska 31-1
Tallinn, Estonia
YC Dago

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

Signature

BOAT	
Name POSTIMEES	Sail Nr EST 850
File Est0850	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 31/05/2018		SG 1.0000	
FFM 1.135	FF 1.143	SFFP 0.000	
FAM 0.724	FA 0.731	SAFP 11.312	
W1 90.5	PD1 562.8	WD 12.220	
W2 90.5	PD2 560.5	GSA 1.0	
W3 90.5	PD3 567.3	RSA 1.0	
W4 90.5	PD4 561.6	PLM 9000.0	
LCF from stem on CL / on sheer		6.290 / 6.510	
Maximum beam station from stem		8.500	
RM Measured		154.7kg·m	
RM Default		162.7kg·m	
Limit of positive stability / Stab.Index		120.0° / 119.5	
Freeboard at mast at 4.660		1.342	



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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 14.255	E 5.150	MDT1 0.122	MW 0.175
IG 14.840	J 4.430	MDL1 0.210	GO 0.200
ISP 14.880	SFJ 0.230	MDT2 0.104	BD 0.300
BAS 1.810	SPL 4.650	MDL2 0.143	MWT 138.00
FSP 0.068	TPS 4.470	TL 2.520	MCG 4.720

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.405		
Type Folding 2 blades	PBW 0.106		
Twin Screw No	PIPA 0.0036		
ST1 0.050	ST3 0.180	ST5 0.300	
ST2 0.180	ST4 0.110	EDL 1.830	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.400	1.21	2.03	3.34	4.33	44.45	45.47	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL			SL · (SFL + 4·SHW) / 6	
	15.18	15.18	15.18	8.72	8.68	110.21			
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area (r)		AS · (SFL + 4·SHW) / 6	
	15.20	13.76	14.48	5.60	7.37	71.84	82.30		

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
0.11	0.83	1.51	2.62	3.62	4.72	14.60	36.88			25/06/2019	Unknow	Light 2019
0.13	0.76	1.41	2.56	3.66	4.73	14.38	35.94	N	N	25/06/2019	Unknow	JibTop
0.12	0.77	1.45	2.56	3.59	4.70	14.40	35.80	N	N	25/06/2019	Unknow	Light/Medium 3Di
0.10	0.80	1.47	2.53	3.52	4.66	14.42	35.51	N	N	25/06/2019	Unknow	Medium 3Di
0.12	0.78	1.48	2.57	3.55	4.45	13.96	34.13	N	N	25/06/2019	Unknow	J-Light Sugar
0.10	0.58	1.10	2.13	3.19	4.26	13.31	28.56	N	N	25/06/2019	Unknow	Heavy 3Di
0.08	0.47	0.86	1.69	2.59	3.50	13.20	22.90	N	N		Unknow	Staysail

MEASUREMENT INVENTORY				
Measurer Karl-Hannes Tagu EST 7				
Date 31/05/2018				
Comment Tallinn - Pirta				
Id	Item	Weight	Distance	VCG Description
1	Engine			Yanmar 3YM30AE
Id	Item	Weight Description		

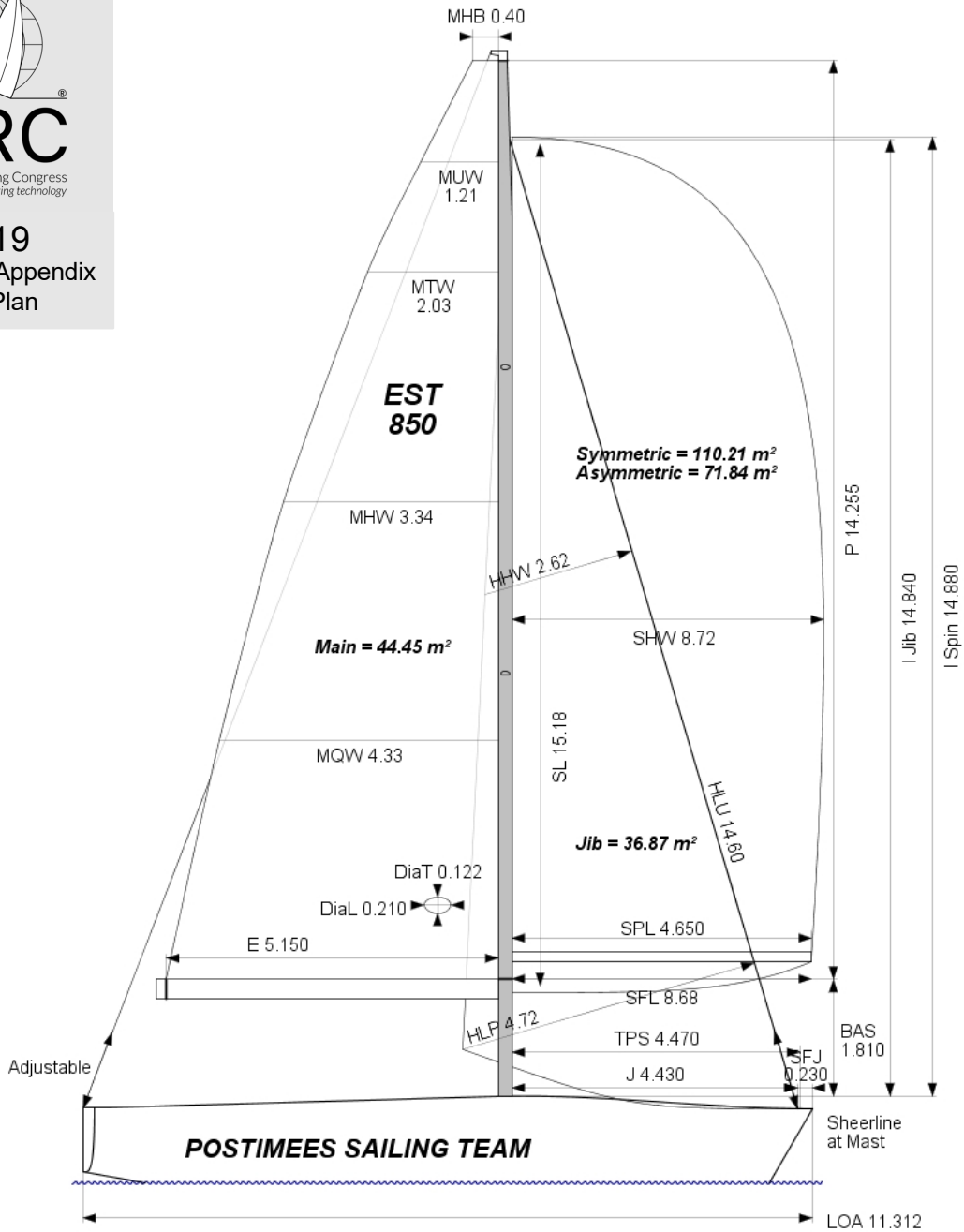
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank fuel		st.steel	80.0	9.36		5-0
2	Tank water		neopr. bag	55.0	5.76		0-0 ports.
3	Tank sewage		neopr. bag	55.0	3.76		0-0 ports.
Id	Item	Weight	Distance	VCG Description			
1	Battery		8.36	2x105 Ah "Banner"			
1	Misc		10.30	autopilot "Jefa"			
2	Misc		10.80	"Eberspächer"			



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1a	0.40	1.21	2.03	3.34	4.33	44.45	EST 7	25/06/2019	NorthSails	Carbon	3Di 780
2a	0.17	0.95	1.71	3.07	4.15	41.33	EST 7	25/06/2019	NorthSails	Unknown	3Di Nordac

HEADSAILS (7)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrip	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.11	0.83	1.51	2.62	3.62	4.72	14.60	107%	36.88			EST 7	25/06/2019	North Sails	Unknown	Light 2019
7a	0.13	0.76	1.41	2.56	3.66	4.73	14.38	107%	35.94	N	N	EST 7	25/06/2019	North Sails	Unknown	JibTop
2a	0.12	0.77	1.45	2.56	3.59	4.70	14.40	106%	35.80	N	N	EST 7	25/06/2019	North Sails	Unknown	Light/Medium 3Di
3a	0.10	0.80	1.47	2.53	3.52	4.66	14.42	105%	35.51	N	N	EST 7	25/06/2019	North Sails	Unknown	Medium 3Di
6a	0.12	0.78	1.48	2.57	3.55	4.45	13.96	100%	34.13	N	N	EST 7	25/06/2019	North Sails	Unknown	J-Light Sugar
4a	0.10	0.58	1.10	2.13	3.19	4.26	13.31	96%	28.56	N	N	EST 7	25/06/2019	North Sails	Unknown	Heavy 3Di
5	0.08	0.47	0.86	1.69	2.59	3.50	13.20	79%	22.90	N	N				Unknown	Staysail

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
5	15.18	15.18	15.18	8.72	8.68	110.21		18/06/2019		Unknown	S1
2a	14.92	14.92	14.92	8.87	8.40	109.12	EST 7	25/06/2019		Unknown	S2
4a	14.60	14.60	14.60	8.44	8.07	101.79	EST 7	25/06/2019		Unknown	S2 Sugar
3a	14.95	14.95	14.95	8.05	8.57	101.59	EST 7	25/06/2019		Unknown	S3

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.20	13.76	14.48	5.60	7.37	71.85	asym	EST 7	25/06/2019	NorthSails	Unknown	