

BOAT
Name TEGU Sail Nr LTU 2235

GPH
616.2

HULL	Length Overall	10.600m
	Maximum Beam	3.250m
	Displacement	4,452kg
	Draft	2.170m
	IMS Reg. Division	Cruiser/Racer
	Dynamic Allowance	0.031%
	Fwd Accommodation	Yes
	Hull Construction	Cored
	Carbon Rudder	No
	Crew Arm Extension	
	IMSL	9.438m VCGD 0.040m Sink 17.60kg/mm
	RL	8.733m VCGM 0.032m WS 22.91m²
	LSM0	9.242m Displacement/Length ratio 5.6397



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2017
ORC International
Certificate

GENERAL
Class X-35 OD
Designer N. Jeppesen
Builder X Jachts
Series 09/2005
Age 04/2008
Age Allowance 0.390%
Offset File X35.off - 29/05/2006 11:52:00
Measurement by V. Stankus - 06/06/2017

Rating Office

Offshore
Racing
Congress



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	599.7			670.0		
Time On Time	1.0006			1.0075		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	705.0	546.3	486.7	912.8	671.9	584.4
Time on Time	0.9574	1.2356	1.3869	0.7395	1.0046	1.1551

TIME ALLOWANCES	Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
	Beat VMG	1039.8	863.9	758.3	714.6	697.4	689.1	676.8
	52°	679.2	570.4	518.1	500.5	494.0	490.8	482.9
	60°	639.1	543.3	503.7	486.4	479.3	475.4	467.7
	75°	606.8	524.9	493.2	472.0	456.4	448.8	442.7
	90°	608.1	524.4	489.8	470.6	449.5	430.3	412.2
	110°	624.9	521.2	482.8	454.2	437.2	423.3	403.0
	120°	643.6	532.4	489.4	460.3	430.7	407.8	382.9
	135°	712.3	577.7	511.8	480.6	453.4	425.8	369.8
	150°	843.3	670.0	566.8	510.3	481.4	456.1	406.0
	Run VMG	973.7	773.6	653.7	578.4	525.7	492.1	443.2

Certificate
Number LT2235
ORC Ref lt00000152
Issued On 16/06/2017
VPP Ver. 2017 1.00
Valid until 31/12/2017

Selected Courses	Windward / Leeward	1006.8	818.8	706.0	646.5	611.6	590.6	560.0
	Circular Random	846.8	684.7	598.0	547.8	516.8	496.1	468.2
	Ocean for PCS	1037.6	802.7	670.5	589.9	537.4	500.5	448.2
	Non Spinnaker	901.7	723.6	627.0	570.4	535.1	511.6	480.2

Crew Weight	
Declared	645kg
Default*	615kg
Non Manual Pwr	

Special Scoring	
ToD	ToT
Non Spin GPH 647.0	0.9274
Non Spin OSN 628.9	0.9540

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	43.1°	42.0°	41.3°	39.4°	38.8°	38.4°	38.2°
	Beat VMG	3.46	4.17	4.75	5.04	5.16	5.22	5.32
	52°	5.30	6.31	6.95	7.19	7.29	7.34	7.45
	60°	5.63	6.63	7.15	7.40	7.51	7.57	7.70
	75°	5.93	6.86	7.30	7.63	7.89	8.02	8.13
	90°	5.92	6.86	7.35	7.65	8.01	8.37	8.73
	110°	5.76	6.91	7.46	7.93	8.23	8.50	8.93
	120°	5.59	6.76	7.36	7.82	8.36	8.83	9.40
	135°	5.05	6.23	7.03	7.49	7.94	8.45	9.73
	150°	4.27	5.37	6.35	7.05	7.48	7.89	8.87
	Run VMG	3.70	4.65	5.51	6.22	6.85	7.31	8.12
	Gybe Angles	144.8°	149.0°	151.2°	158.2°	180.0°	180.0°	180.0°

Sails Limitations	
Headsails	Spinnakers
5	3

Class Division Length
CDL = 9.086

Storm Sails Areas	
Heavy Weather Jib	28.66
Storm Jib (JL=9.47)	10.61
Storm Trysail	10.59

Owner

BOAT	
Name TEGU	Sail Nr LTU 2235
File Tegu LTU2235	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 04/05/2006	SG	1.0010
FFM 1.320	FF 1.334	SFFP 0.075
FAM 0.968	FA 0.978	SAFP 10.275
W1 52.2	PD1 312.0	WD 11.190
W2 52.2	PD2 312.0	GSA 314.2
W3 52.2	PD3 312.0	RSA 20106.
W4 52.2	PD4 312.0	PLM 3490.0
LCF from stem on CL / on sheer		5.984 / 6.182
Maximum beam station from stem		7.300
RM Measured		112.6kg·m
RM Default		118.7kg·m
Limit of positive stability / Stab.Index		117.0° / 117.5
Freeboard at mast at 4.185		1.113

RIG				
Forestay Tension Aft	Spreaders 2			
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 13.300	E 4.550	MDT1 0.125	MW 0.184	
IG 14.500	J 4.185	MDL1 0.185	GO 0.204	
ISP 14.530	SFJ	MDT2 0.122	BD 0.220	
BAS 1.745	SPL 4.180	MDL2 0.140	MWT 156.00	
FSP 0.068	TPS	TL 1.230	MCG 4.600	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD	0.420
Type Folding 2 blades	PBW	0.128
Twin Screw No	PIPA	0.0033
ST1 0.042	ST3 0.182	ST5 0.255
ST2 0.178	ST4 0.112	EDL 2.390

COMMENTS	
13,30, 4,55 14,25, 4,90	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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IMS Measurement Certificate

Certificate	
Number	LT2235
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VPP Ver.	2017 1.00
Valid until	31/12/2017



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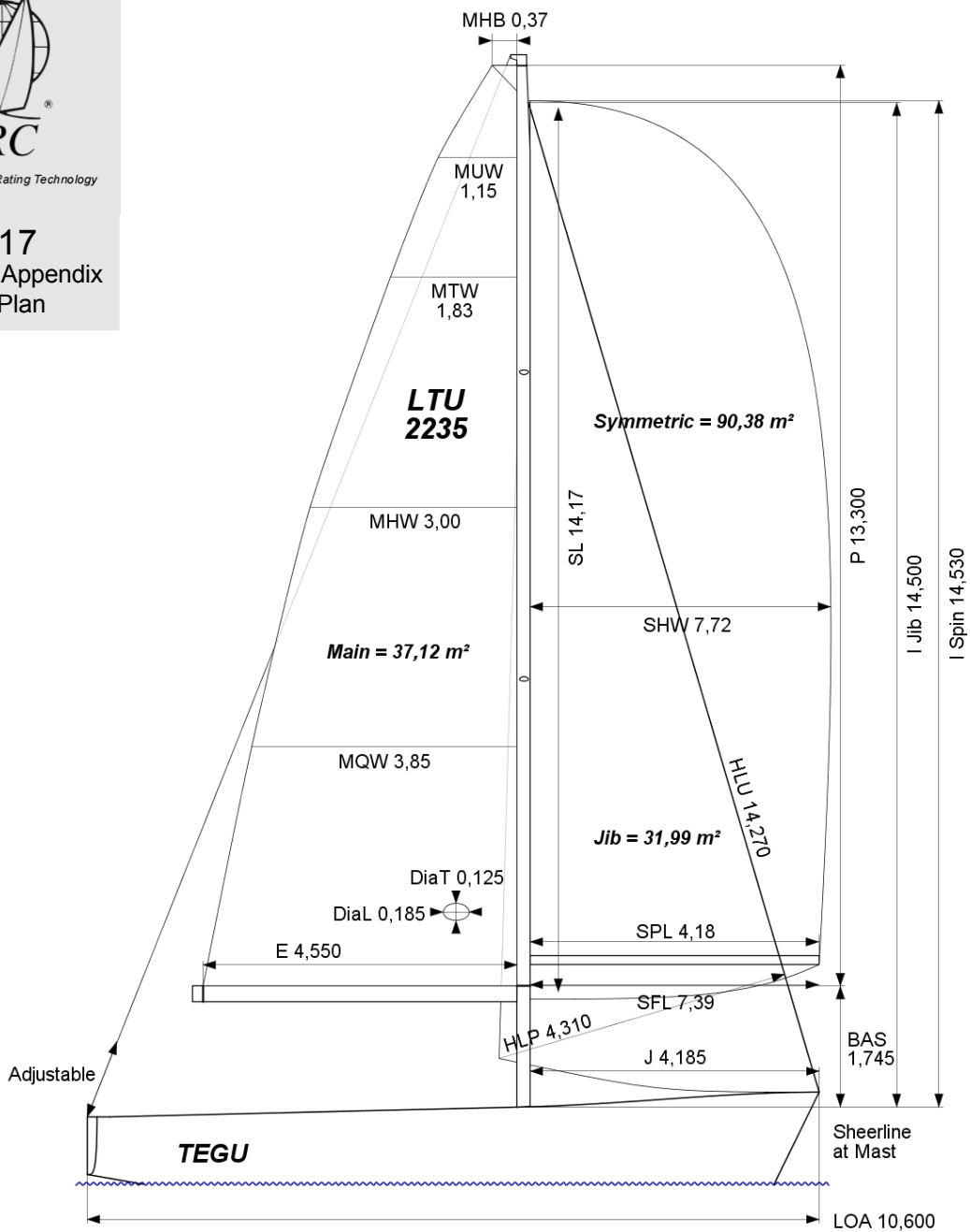
SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.370	1.15	1.83	3.00	3.85	37.12	37.95	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	90.38		SL · (SFL + 4·SHW) / 6	
	14.17	14.17	14.17	7.72	7.39				
Asymmetric	Not Available								

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	0.65	1.20	2.28	3.32	4.31	14.27	31.99			06/06/2017	Unknow	juoda, Audi
0.10	0.64	1.19	2.28	3.32	4.32	14.27	31.97			06/06/2017	Unknow	juoda
0.09	0.49	0.89	1.79	2.83	3.87	14.20	26.68			06/06/2017	Unknow	juoda



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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					
2	0.370	1.15	1.83	3.00	3.85	37.12	V. Stankus	06/06/2017	WB	Unknown	pilkas					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.10	0.65	1.20	2.28	3.32	4.31	14.27	103%	31.99			V.	06/06/2017	WB	Unknown	juoda, Audi
1	0.10	0.64	1.19	2.28	3.32	4.32	14.27	103%	31.97			V.	06/06/2017	WB	Unknown	juoda
3	0.09	0.49	0.89	1.79	2.83	3.87	14.20	92%	26.68			V.	06/06/2017	WB	Unknown	juoda
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	14.17	14.17	14.17	7.72	7.39	90.38	V. Stankus	06/06/2017	WB	Unknown	baltas, Audi					
1	14.15	14.15	14.15	7.70	7.36	89.99	V. Stankus	06/06/2017	WB	Unknown	mely nas					
3	14.28	14.28	14.28	6.50	6.81	78.09	V. Stankus	06/06/2017	WB	Unknown	baltas					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				