



World Leader in Rating Technology

## 2015 ORC Club Certificate

### Rating Office

Zemaites 6  
LT-03117 Vilnius  
Lithuania  
+370 650 28392



### Certificate

Number LT 1583  
Issued On 2015-05-22  
ORC Ref Itu00000038  
VPP Ver. 2015 1.01  
Valid until 2015-12-31

### Crew Weight

Declared 340 kg  
Default\* 385 kg  
Non Manual Pwr No

### Special Scoring

	ToD	ToT
Non Spin GPH	729	0,822
Non Spin OSN	706	0,849
N/S Perf. Line	109	0,731

### Sails Limitations

Headsails 5 Spinnakers 3

### Spinnaker configuration

Symmetric: Ye 48,59  
Asymmetric: No  
Flying H/S: No  
Spin. Pole: Ye

### Class Division

CDL = 6,801

### Stability

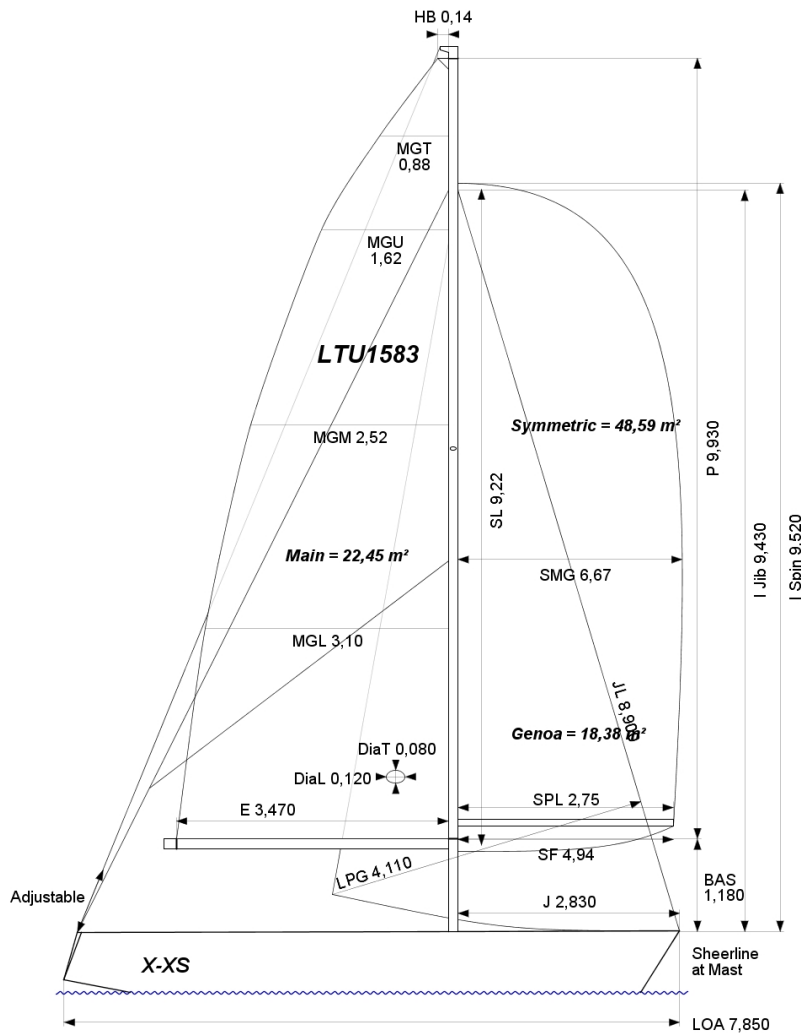
LPS ( Estimated ) : 105,2  
Stability Index: 98,1  
OSR Category: N/A

### Owner

VõÅ "AMXSAS"  
Klaipeda  
Lithuania

I certify that I understand my responsibilities under ORC Rules and

Signature



BOAT		GPH	HULL	
Name X-xs		703,7	Data File Xxs	LOA 7,850 m
Sail Nr LTU1583			Offset File X79.OFF	MB 2,844 m
CLASS			Displacement 1 942 kg	Draft 1,402 m
Class X79	Designer N. Jeppesen		IMS Division Cruiser/Rac	Dynamic All. 0,000%
Builder X Yachts	Series 07-1969		Fwd Accom. Yes	Construction Solid
Age Date 07-1988	Age Allowance 0,488%		Fiber Rigging No	Aramid Core No
COMMENTS			Crew Arm Ex	Carbon Rudder No
PROPELLER			Light Stanchions	
Type No Propeller			IMS L 6,837	VCGD 0,032
CENTERBOARD			RL 6,764	VCGM 0,086
			Water Ballast 0	Trim Tab No
SCORING OPTIONS			WS 13,36	m²
			OFFSHORE COASTAL / LONG DISTANCE	
			INSHORE WINDWARD / LEEWARD	
Time On Distance			684,6	758,3
Time On Time			0,8764	0,8901
Performance Line	PLT	PLD	0,780	125,8
	Low	Medium	High	0,767 217,0
Triple Number	Low	Medium	High	0,6471 0,8865 1,0188
	0,8411	1,0800	1,2096	



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## ORC Club Certificate Appendix

BOAT	
Name	X-xs
Certificate Number	LT1583
Sail Nr	LTU1583
Issued On	2015-05-22

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1164,8	972,9	859,6	811,9	789,8	777,2	781,2
52°	759,4	642,0	592,3	574,3	565,8	561,1	557,2
60°	715,2	615,5	577,9	558,1	548,0	542,1	537,2
75°	680,5	599,3	566,8	542,1	522,1	510,5	502,3
90°	687,6	596,4	560,2	542,7	519,2	499,1	473,3
110°	696,7	596,6	558,2	524,3	493,3	476,2	455,0
120°	724,3	608,9	566,7	534,4	502,6	472,8	436,5
135°	817,9	677,8	591,5	557,9	526,9	497,1	439,6
150°	984,7	779,4	653,9	586,9	555,3	525,4	470,2
Run VMG	1137,0	897,7	752,2	643,5	588,1	556,6	500,0

Selected Courses							
Windward / Leeward	1150,9	935,3	805,9	727,7	689,0	666,9	640,6
Circular Random	963,8	781,0	683,2	626,5	591,5	568,6	539,9
Ocean for PCS	1027,3	815,5	698,2	626,8	579,9	546,2	496,7
Non Spinnaker	1008,0	812,4	707,2	645,8	607,9	583,2	552,2

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	43,5°	42,7°	41,3°	39,3°	38,3°	37,5°	38,4°
Beat VMG	3,09	3,70	4,19	4,43	4,56	4,63	4,61
52°	4,74	5,61	6,08	6,27	6,36	6,42	6,46
60°	5,03	5,85	6,23	6,45	6,57	6,64	6,70
75°	5,29	6,01	6,35	6,64	6,89	7,05	7,17
90°	5,24	6,04	6,43	6,63	6,93	7,21	7,61
110°	5,17	6,03	6,45	6,87	7,30	7,56	7,91
120°	4,97	5,91	6,35	6,74	7,16	7,61	8,25
135°	4,40	5,31	6,09	6,45	6,83	7,24	8,19
150°	3,66	4,62	5,51	6,13	6,48	6,85	7,66
Run VMG	3,17	4,01	4,79	5,59	6,12	6,47	7,20
Gybe Angles	147,9°	154,9°	169,9°	172,4°	178,6°	179,0°	178,6°