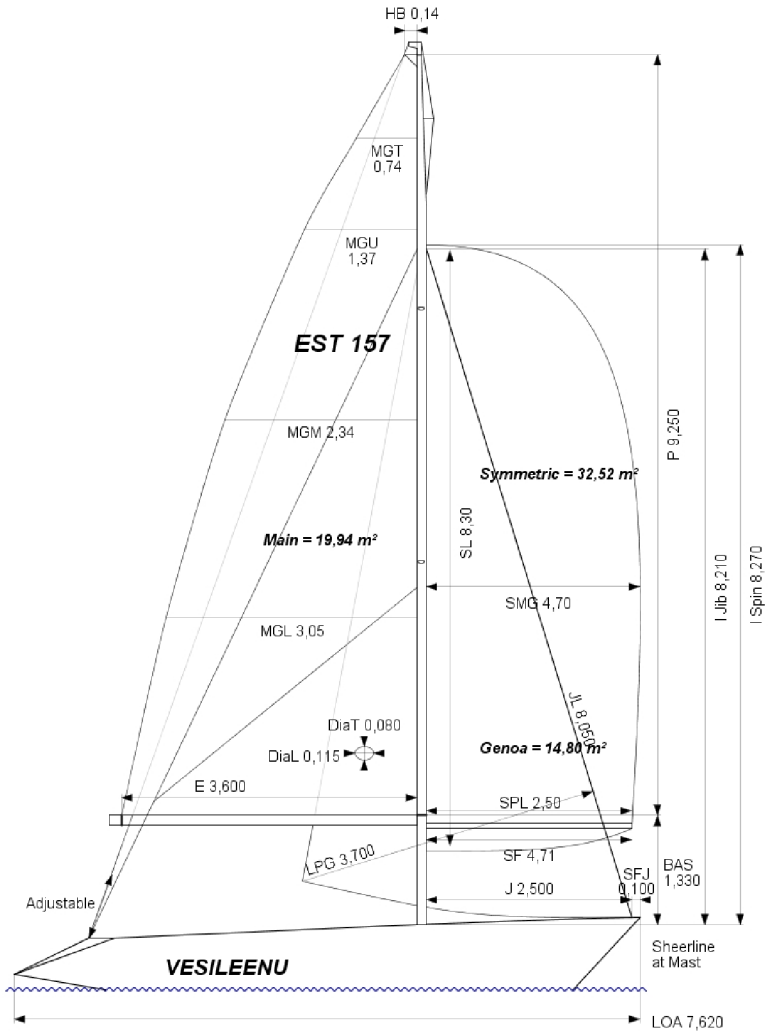

ORC
World Leader in Rating Technology

2015 ORC Club Certificate

Rating Office
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Certificate
Number **EST157**
Issued On **14.05.2015**
ORC Ref **EST00000620**
VPP Ver. **2015 1.01**
Valid until **31.12.2015**

Crew Weight

Declared	**450 kg**
Default*	**314 kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Non Spin GPH	**740,3**	**0,8105**
Non Spin OSN	**715,5**	**0,8386**
N/S Perf. Line	**116,1**	**0,729**

Sails Limitations
Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric:	**Yes** **32,52**
Asymmetric:	**No**
Flying H/S:	**No**
Spin. Pole:	**Yes**

Class Division Length
CDL = **6,437**

Stability

LPS (Estimated):	**116,7°**
Stability Index:	**108,9**
OSR Category:	**N/A**

BOAT
Name **VESILEENU**
Sail Nr **EST 157**

GPH
720,6

CLASS

Class	**POLARIS**
Designer	**SET**
Builder	**SET**
Series	**06.1984**
Age Date	**01.1991**
Age Allowance	**0,487%**

COMMENTS
Jahi kaal deklareeritud 13.05.15

HULL

Data File	**Est0157.dxt**	LOA	**7,620 m**
Offset File	**Polari17.off**	MB	**2,692 m**
Displacement	**1 630 kg**	Draft	**1,721 m**
IMS Division	**Performance**	Dynamic All.	**0,009%**
Fwd Accom.	**Yes**	Construction	**Solid**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex		Carbon Rudder	**No**
		Light Stanchions	

IMS L	**6,066**	VCGD	**-0,092**	Sink	**8,22 kg/mm**
RL	**6,807**	VCGM	**-0,083**	WS	**10,64 m²**

Water Ballast **0** Trim Tab **No**

PROPELLER
Type **No Propeller**

CENTERBOARD
N/A

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**699,0**			**769,0**		
Time On Time	**0,8584**			**0,8777**		
	PLT		PLD	PLT		PLD
Performance Line	**0,769**		**131,1**	**0,762**		**221,2**
	Low	Medium	High	Low	Medium	High
Triple Number	**0,8235**	**1,0526**	**1,1851**	**0,6395**	**0,8735**	**1,0047**

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2015
ORC Club Certificate Appendix

BOAT			
Name	**VESILEENU**	Certificate Number	**EST157**
Sail Nr	**EST 157**	Issued On	**14.05.2015**

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1154,2**	**967,0**	**864,4**	**809,3**	**785,7**	**774,1**	**771,3**
52°	**761,8**	**650,2**	**607,9**	**584,7**	**570,9**	**563,2**	**556,9**
60°	**720,0**	**628,7**	**594,0**	**570,5**	**552,5**	**542,8**	**535,4**
75°	**688,6**	**615,4**	**583,3**	**557,2**	**534,5**	**518,0**	**503,3**
90°	**696,6**	**619,7**	**582,1**	**549,4**	**525,3**	**514,5**	**484,5**
110°	**734,0**	**626,5**	**585,6**	**553,1**	**523,7**	**497,9**	**458,0**
120°	**767,7**	**642,8**	**595,5**	**563,9**	**534,2**	**508,0**	**459,4**
135°	**866,8**	**710,6**	**623,4**	**586,6**	**556,3**	**528,1**	**480,1**
150°	**1017,8**	**807,5**	**681,1**	**615,2**	**581,8**	**552,4**	**501,9**
Run VMG	**1175,3**	**925,8**	**772,9**	**667,8**	**612,5**	**580,1**	**525,5**
Selected Courses							
Windward / Leeward	**1164,8**	**946,4**	**818,7**	**738,6**	**699,1**	**677,1**	**648,4**
Circular Random	**985,4**	**799,6**	**700,0**	**641,7**	**605,2**	**580,7**	**548,7**
Ocean for PCS	**1048,2**	**833,7**	**714,8**	**642,3**	**594,7**	**560,6**	**511,0**
Non Spinnaker	**1019,7**	**823,9**	**718,5**	**656,7**	**618,2**	**592,6**	**559,7**

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°**	**41,7°**	**39,6°**	**37,5°**	**36,3°**	**35,7°**	**36,0°**
Beat VMG	**3,12**	**3,72**	**4,16**	**4,45**	**4,58**	**4,65**	**4,67**
52°	**4,73**	**5,54**	**5,92**	**6,16**	**6,31**	**6,39**	**6,46**
60°	**5,00**	**5,73**	**6,06**	**6,31**	**6,52**	**6,63**	**6,72**
75°	**5,23**	**5,85**	**6,17**	**6,46**	**6,74**	**6,95**	**7,15**
90°	**5,17**	**5,81**	**6,18**	**6,55**	**6,85**	**7,00**	**7,43**
110°	**4,90**	**5,75**	**6,15**	**6,51**	**6,87**	**7,23**	**7,86**
120°	**4,69**	**5,60**	**6,05**	**6,38**	**6,74**	**7,09**	**7,84**
135°	**4,15**	**5,07**	**5,77**	**6,14**	**6,47**	**6,82**	**7,50**
150°	**3,54**	**4,46**	**5,29**	**5,85**	**6,19**	**6,52**	**7,17**
Run VMG	**3,06**	**3,89**	**4,66**	**5,39**	**5,88**	**6,21**	**6,85**
Gybe Angles	**150,0°**	**159,2°**	**171,7°**	**175,0°**	**179,0°**	**179,2°**	**179,2°**

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