



World Leader in Rating Technology

## 2017 ORC Club Certificate

### Rating Office

Žemaites 6  
LT-03117 Vilnius  
Lithuania  
+370 650 28392



### Certificate

Number **LT2074**  
Issued On **2017-07-17**  
ORC Ref **lt00000214**  
VPP Ver. **2017 1.00**  
Valid until **2017-12-31**

### Crew Weight

Declared **430kg**  
Default\* **388kg**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **706.6 0.8491**  
Non Spin OSN **686.6 0.8739**

### Sails Limitations

Headsails **5** Spinnakers **3**

### Spinnaker configuration

Symmetric: **Yes 43.82**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **6.979**

### Stability (Measured)

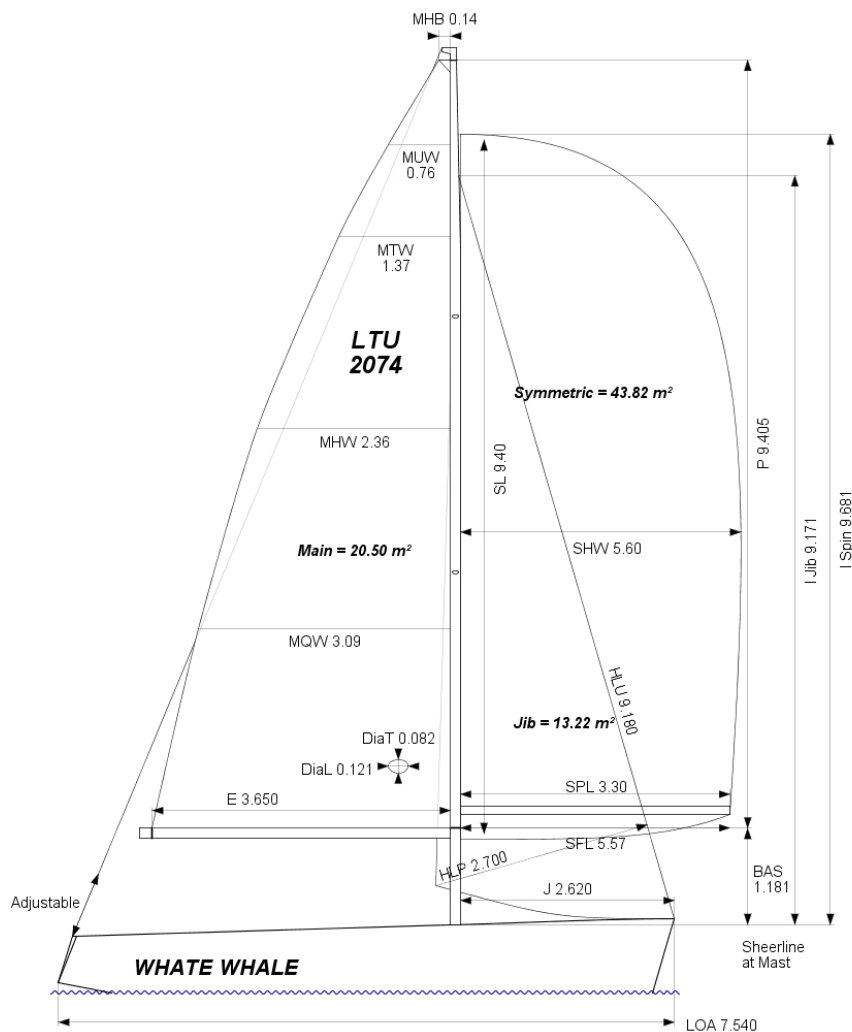
Limit Positive Stab.: **118.1°**  
Stability Index: **110.2**

### Owner

Julius Maseiva  
Vilnius  
Lithuania

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

Signature



<b>BOAT</b> Name <b>WHATE WHALE</b> Sail Nr <b>LTU 2074</b>		<b>GPH</b> <b>671.7</b>		<b>HULL</b> Data File <b>WhateWhale</b> LOA <b>7.540m</b> Offset File <b>platu25.off</b> MB <b>2.573m</b> Displacement <b>1,245kg</b> Draft <b>1.593m</b>		
<b>CLASS</b> Class <b>PLATU 25</b> Designer <b>FARR</b> Builder <b>BENETEAU</b> Series <b>02-1995</b> Age Date <b>01-1999</b> Age Allowance <b>0.487%</b>		<b>IMS Division</b> <b>Sportboat</b> Dynamic All. <b>0.000%</b> Fwd Accom. <b>No</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>			<b>IMSL</b> <b>7.013m</b> VCGD <b>0.050m</b> Sink <b>7.66kg/mm</b> RL <b>6.944m</b> VCGM <b>-0.047m</b> WS <b>10.48m²</b> LSM0 <b>6.685m</b> Displacement/Length ratio <b>4.1674</b>	
<b>COMMENTS</b>		<b>Water Ballast</b> <b>0</b> <b>Trim Tab</b> <b>No</b>			<b>Centerboard</b>  <b>N/A</b>	
<b>PROPELLER</b> Type <b>No Propeller</b>		<b>SCORING OPTIONS</b>				
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>654.1</b>			<b>733.2</b>		
Time On Time	<b>0.9173</b>			<b>0.9206</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>754.5</b>	<b>601.2</b>	<b>531.4</b>	<b>969.4</b>	<b>734.9</b>	<b>652.0</b>
Time on Time	<b>0.8946</b>	<b>1.1227</b>	<b>1.2702</b>	<b>0.6963</b>	<b>0.9185</b>	<b>1.0353</b>

<b>BOAT</b>	
Name <b>WHATE WHALE</b>	Sail Nr <b>LTU 2074</b>
File <b>WhateWhale</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>27-10-2013</b>		SG <b>1.0250</b>	
FFM <b>0.908</b>	FF <b>0.908</b>	SFFP <b>0.120</b>	
FAM <b>0.689</b>	FA <b>0.689</b>	SAFP <b>7.315</b>	
W1 <b>4.0</b>	PD1 <b>76.0</b>	WD <b>7.900</b>	
W2 <b>8.0</b>	PD2 <b>156.0</b>	GSA <b>19.6</b>	
W3 <b>12.0</b>	PD3 <b>231.0</b>	RSA <b>6079.4</b>	
W4 <b>16.0</b>	PD4 <b>311.0</b>	PLM <b>2510.0</b>	
LCF from stem on CL / on sheer		<b>4.179 / 4.355</b>	
Maximum beam station from stem		<b>4.670</b>	
RM Measured		<b>17.8kg·m</b>	
RM Default		<b>22.9kg·m</b>	
Limit of positive stability / Stab.Index		<b>118.1° / 110.2</b>	
Freeboard at mast at 2.620		<b>0.833</b>	




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## 2017 Measurements Datasheet

<b>RIG</b>				
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>			
Inner Stay <b>None Fitted</b>	Runners <b>0</b>			
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>			
Taper Hollows <b>No</b>	Jib Furler <b>No</b>			
Fiber Rigging <b>No</b>	Main Furler <b>No</b>			
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>			
Articulated Bowsprit <b>No</b>				
P <b>9.405</b>	E <b>3.650</b>	MDT1 <b>0.082</b>	MW <b>0.121</b>	
IG <b>9.171</b>	J <b>2.620</b>	MDL1 <b>0.121</b>	GO <b>0.131</b>	
ISP <b>9.681</b>	SFJ <b>0.000</b>	MDT2 <b>0.062</b>	BD <b>0.120</b>	
BAS <b>1.181</b>	SPL <b>3.300</b>	MDL2 <b>0.078</b>	MWT <b>35.50</b>	
FSP <b>0.000</b>	TPS	TL <b>2.340</b>	MCG <b>4.200</b>	

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<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

<b>COMMENTS</b>	

<b>MOVEABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MANSAL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.145	0.76	1.37	2.36	3.09	20.50		21-07-2015		Unknown						
<b>HEADSAILS (5)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.07	0.41	0.76	1.52	2.14	2.70	9.18	103%	13.23	Y			21-07-2015		Unknown	Unknow
1	0.07	0.40	0.75	1.45	2.12	2.71	9.23	103%	13.10	Y			21-07-2015		Unknown	Unknow
3	0.07	0.40	0.74	1.45	2.11	2.70	8.86	103%	12.53	Y			21-07-2015		Unknown	Unknow
4	0.06	0.34	0.64	1.27	1.93	2.60	6.94	99%	8.97	Y			21-07-2015		Unknown	Unknow
5						1.16	5.35	44%	3.16	Y						Unknow
<b>SYMMETRIC SPINNAKERS (3)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
3	9.40	9.40	9.40	5.60	5.57	43.82				Unknown						
4	9.50	9.50	9.50	5.35	5.64	42.81		12-07-2017		Unknown	Owner					
2	9.36	9.36	9.36	5.30	5.34	41.40		21-07-2015		Unknown						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

<b>MEASUREMENT INVENTORY</b>				
Measuror <b>V.Stankus</b>				
Date <b>06-07-2015</b>				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yamaha	5Hp	
Id	Item	Weight	Description	

<b>MEASUREMENT INVENTORY</b>				
Id	Item	Weight	Distance	VCG Description
1	Battery	11.0	3.00	-0.20 Battery



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# 2017

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>WHATE WHALE</b>	Certificate Number	<b>LT2074</b>
Sail Nr	<b>LTU 2074</b>	Issued On	<b>2017-07-17</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1110.5</b>	<b>921.1</b>	<b>832.3</b>	<b>801.3</b>	<b>789.9</b>	<b>783.0</b>	<b>780.9</b>
52°	<b>728.0</b>	<b>620.2</b>	<b>585.1</b>	<b>570.4</b>	<b>563.5</b>	<b>560.0</b>	<b>551.0</b>
60°	<b>685.6</b>	<b>600.3</b>	<b>569.7</b>	<b>550.4</b>	<b>540.4</b>	<b>534.9</b>	<b>522.9</b>
75°	<b>652.8</b>	<b>586.8</b>	<b>554.1</b>	<b>523.8</b>	<b>502.0</b>	<b>491.5</b>	<b>484.0</b>
90°	<b>654.2</b>	<b>579.4</b>	<b>547.0</b>	<b>518.0</b>	<b>486.4</b>	<b>459.2</b>	<b>436.3</b>
110°	<b>657.0</b>	<b>576.4</b>	<b>530.5</b>	<b>488.0</b>	<b>465.7</b>	<b>443.5</b>	<b>408.6</b>
120°	<b>676.1</b>	<b>585.0</b>	<b>540.7</b>	<b>493.4</b>	<b>447.6</b>	<b>421.4</b>	<b>380.4</b>
135°	<b>747.9</b>	<b>617.5</b>	<b>568.2</b>	<b>527.4</b>	<b>484.1</b>	<b>439.9</b>	<b>340.7</b>
150°	<b>890.3</b>	<b>708.5</b>	<b>609.3</b>	<b>564.4</b>	<b>526.1</b>	<b>486.7</b>	<b>399.3</b>
Run VMG	<b>1028.1</b>	<b>818.1</b>	<b>696.6</b>	<b>621.6</b>	<b>574.0</b>	<b>538.2</b>	<b>465.8</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1069.3</b>	<b>869.6</b>	<b>764.4</b>	<b>711.5</b>	<b>681.9</b>	<b>660.6</b>	<b>623.4</b>
Circular Random	<b>911.2</b>	<b>742.6</b>	<b>653.2</b>	<b>600.7</b>	<b>566.7</b>	<b>542.0</b>	<b>504.5</b>
Ocean for PCS	<b>1114.2</b>	<b>867.9</b>	<b>729.9</b>	<b>644.8</b>	<b>587.1</b>	<b>543.8</b>	<b>477.4</b>
Non Spinnaker	<b>971.8</b>	<b>785.6</b>	<b>685.9</b>	<b>627.5</b>	<b>590.3</b>	<b>564.3</b>	<b>527.2</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.6°</b>	<b>41.8°</b>	<b>39.4°</b>	<b>38.3°</b>	<b>37.9°</b>	<b>37.5°</b>	<b>38.2°</b>
Beat VMG	<b>3.24</b>	<b>3.91</b>	<b>4.33</b>	<b>4.49</b>	<b>4.56</b>	<b>4.60</b>	<b>4.61</b>
52°	<b>4.95</b>	<b>5.80</b>	<b>6.15</b>	<b>6.31</b>	<b>6.39</b>	<b>6.43</b>	<b>6.53</b>
60°	<b>5.25</b>	<b>6.00</b>	<b>6.32</b>	<b>6.54</b>	<b>6.66</b>	<b>6.73</b>	<b>6.88</b>
75°	<b>5.51</b>	<b>6.13</b>	<b>6.50</b>	<b>6.87</b>	<b>7.17</b>	<b>7.33</b>	<b>7.44</b>
90°	<b>5.50</b>	<b>6.21</b>	<b>6.58</b>	<b>6.95</b>	<b>7.40</b>	<b>7.84</b>	<b>8.25</b>
110°	<b>5.48</b>	<b>6.25</b>	<b>6.79</b>	<b>7.38</b>	<b>7.73</b>	<b>8.12</b>	<b>8.81</b>
120°	<b>5.33</b>	<b>6.15</b>	<b>6.66</b>	<b>7.30</b>	<b>8.04</b>	<b>8.54</b>	<b>9.46</b>
135°	<b>4.81</b>	<b>5.83</b>	<b>6.34</b>	<b>6.83</b>	<b>7.44</b>	<b>8.18</b>	<b>10.56</b>
150°	<b>4.04</b>	<b>5.08</b>	<b>5.91</b>	<b>6.38</b>	<b>6.84</b>	<b>7.40</b>	<b>9.02</b>
Run VMG	<b>3.50</b>	<b>4.40</b>	<b>5.17</b>	<b>5.79</b>	<b>6.27</b>	<b>6.69</b>	<b>7.73</b>
Gybe Angles	<b>145.7°</b>	<b>149.5°</b>	<b>155.5°</b>	<b>173.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>