



World Leader in Rating Technology

## 2013 ORC Club Certificate

**Rating Office**  
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### Certificate

Number **13014a**  
Issued On **27/02/2013**  
ORC Ref **FRA00003732**  
VPP Ver. **2013 1.01**  
Valid until **28/02/2014**

### Crew Weight

Declared **400 kg**  
Default\* **603 kg**  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
D. Hand OSN	<b>650.8</b>	<b>0.9220</b>
Non Spin. OSN	<b>675.0</b>	<b>0.8889</b>
N/S Perf. Line	<b>65.9</b>	<b>0.698</b>

### Sails Limitations

Genoas **3** Spinnakers **3**  
Jibs **2**

**Spinnaker configuration**  
Symmetric: **Yes** **85.51**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

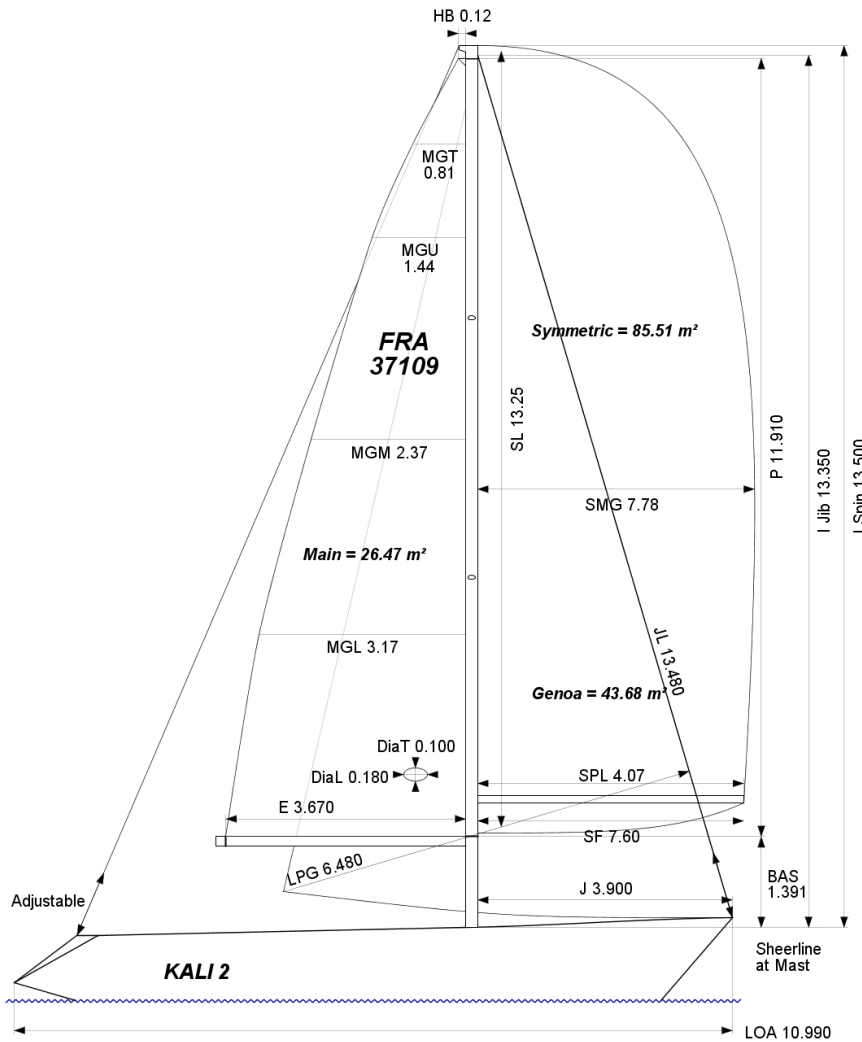
LPS (Estimated): **110.7°**  
Stability Index: **111.4**  
OSR Category: **2**

### Owner

OLGIATI Christophe  
404 Chemin de la Barbasse  
83200 - LE REVEST LES EAUX

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

Signature



BOAT		GPH	HULL		
Name <b>KALI 2</b> Sail Nr <b>FRA-37109</b>		<b>675.2</b>	Data File <b>F37109.dxt</b>	LOA <b>10.990 m</b>	
			Offset File <b>F166bis.OFF</b>	MB <b>3.536 m</b>	
			Displacement <b>5,537 kg</b>	Draft <b>1.844 m</b>	
CLASS		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.305%</b>			
Class	<b>GIB'SEA105/106 +</b>	Fwd Accom.	<b>Yes</b>	Construction <b>Solid</b>	
Designer	<b>JOUBERT/NIVELT</b>	Fiber Rigging	<b>No</b>	Aramid Core <b>No</b>	
Builder	<b>GIBERT MARINE</b>	Crew Arm Ex		Carbon Rudder <b>No</b>	
Series	<b>06/1980</b>	IMS L	<b>9.163</b>	Wetted Area <b>24.89 m²</b>	
Age Date	<b>06/1983</b>	VCGM		<b>0.121</b>	
Age Allowance	<b>0.488%</b>				
COMMENTS					
<b>Shorter Mast</b> <b>Larger engine (+25kg)</b> From GIB 105 Plus.dxt					
PROPELLER		CENTERBOARD			
Installation	<b>Shaft</b>	PRD	<b>0.435</b>		
Type	<b>Feathering 3 blades</b>	PBW	<b>0.136</b>		
		PIPA	<b>0.0038</b>		
		<b>N/A</b>			
SCORING OPTIONS					
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD	
Time On Distance	<b>648.9</b>			<b>737.0</b>	
Time On Time	<b>0.9246</b>			<b>0.9159</b>	
Performance Line	<b>PLT</b>	<b>PLD</b>	<b>PLT</b>	<b>PLD</b>	
	<b>0.759</b>	<b>88.9</b>	<b>0.704</b>	<b>148.5</b>	
Triple Number	<b>Low</b>	<b>Medium</b>	<b>High</b>	<b>Low</b>	<b>Medium</b>
	<b>0.8589</b>	<b>1.1333</b>	<b>1.2901</b>	<b>0.6559</b>	<b>0.9043</b>
				<b>High</b>	<b>1.0754</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>KALI 2</b>	Certificate Number <b>13014a</b>
Sail Nr <b>FRA-37109</b>	Issued On <b>27/02/2013</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1157.9</b>	<b>968.2</b>	<b>858.1</b>	<b>792.9</b>	<b>756.6</b>	<b>735.5</b>	<b>728.3</b>
52°	<b>743.2</b>	<b>626.9</b>	<b>556.7</b>	<b>527.4</b>	<b>515.3</b>	<b>508.5</b>	<b>503.7</b>
60°	<b>696.0</b>	<b>587.9</b>	<b>532.1</b>	<b>508.8</b>	<b>498.7</b>	<b>492.7</b>	<b>487.0</b>
75°	<b>659.5</b>	<b>559.4</b>	<b>516.5</b>	<b>495.2</b>	<b>480.1</b>	<b>470.0</b>	<b>460.7</b>
90°	<b>665.1</b>	<b>563.6</b>	<b>518.5</b>	<b>497.0</b>	<b>480.6</b>	<b>465.4</b>	<b>441.8</b>
110°	<b>695.6</b>	<b>571.0</b>	<b>515.1</b>	<b>488.3</b>	<b>465.9</b>	<b>447.0</b>	<b>429.5</b>
120°	<b>718.7</b>	<b>589.9</b>	<b>523.8</b>	<b>494.9</b>	<b>473.2</b>	<b>451.7</b>	<b>417.2</b>
135°	<b>803.4</b>	<b>657.6</b>	<b>561.3</b>	<b>515.8</b>	<b>491.2</b>	<b>470.2</b>	<b>430.7</b>
150°	<b>964.2</b>	<b>759.9</b>	<b>638.9</b>	<b>558.7</b>	<b>516.8</b>	<b>492.8</b>	<b>452.7</b>
Run VMG	<b>1113.3</b>	<b>877.2</b>	<b>736.7</b>	<b>636.9</b>	<b>566.8</b>	<b>523.6</b>	<b>478.0</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1135.6</b>	<b>922.7</b>	<b>797.4</b>	<b>714.9</b>	<b>661.7</b>	<b>629.6</b>	<b>603.1</b>
Circular Random	<b>939.3</b>	<b>755.0</b>	<b>654.7</b>	<b>595.3</b>	<b>558.4</b>	<b>534.6</b>	<b>506.8</b>
Ocean for PCS	<b>1002.1</b>	<b>789.1</b>	<b>669.1</b>	<b>595.2</b>	<b>546.5</b>	<b>512.4</b>	<b>465.4</b>
Non Spinnaker	<b>987.0</b>	<b>789.2</b>	<b>680.4</b>	<b>615.4</b>	<b>574.4</b>	<b>547.6</b>	<b>515.8</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>45.2°</b>	<b>43.9°</b>	<b>44.5°</b>	<b>43.2°</b>	<b>41.5°</b>	<b>40.8°</b>	<b>41.0°</b>
Beat VMG	<b>3.11</b>	<b>3.72</b>	<b>4.20</b>	<b>4.54</b>	<b>4.76</b>	<b>4.89</b>	<b>4.94</b>
52°	<b>4.84</b>	<b>5.74</b>	<b>6.47</b>	<b>6.83</b>	<b>6.99</b>	<b>7.08</b>	<b>7.15</b>
60°	<b>5.17</b>	<b>6.12</b>	<b>6.77</b>	<b>7.07</b>	<b>7.22</b>	<b>7.31</b>	<b>7.39</b>
75°	<b>5.46</b>	<b>6.44</b>	<b>6.97</b>	<b>7.27</b>	<b>7.50</b>	<b>7.66</b>	<b>7.81</b>
90°	<b>5.41</b>	<b>6.39</b>	<b>6.94</b>	<b>7.24</b>	<b>7.49</b>	<b>7.74</b>	<b>8.15</b>
110°	<b>5.18</b>	<b>6.30</b>	<b>6.99</b>	<b>7.37</b>	<b>7.73</b>	<b>8.05</b>	<b>8.38</b>
120°	<b>5.01</b>	<b>6.10</b>	<b>6.87</b>	<b>7.27</b>	<b>7.61</b>	<b>7.97</b>	<b>8.63</b>
135°	<b>4.48</b>	<b>5.47</b>	<b>6.41</b>	<b>6.98</b>	<b>7.33</b>	<b>7.66</b>	<b>8.36</b>
150°	<b>3.73</b>	<b>4.74</b>	<b>5.63</b>	<b>6.44</b>	<b>6.97</b>	<b>7.31</b>	<b>7.95</b>
Run VMG	<b>3.23</b>	<b>4.10</b>	<b>4.89</b>	<b>5.65</b>	<b>6.35</b>	<b>6.87</b>	<b>7.53</b>
Gybe Angles	<b>145.3°</b>	<b>151.2°</b>	<b>154.6°</b>	<b>166.9°</b>	<b>172.7°</b>	<b>177.5°</b>	<b>178.7°</b>