



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **US6097**  
Issued On **11/01/2021**  
ORC Ref **03410000TLR**  
VPP Ver. **2020 1.02**  
Valid until **31/01/2021**

**Crew Weight**

Default 920kg  
Maximum **880kg**  
Minimum\* **660kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>594.7</b>	<b>1.0089</b>
Non Spin OSN	<b>580.1</b>	<b>1.0343</b>

**Sails Limitations**

Headsails **6** Spinnakers **4**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 175.48**  
Flying H/S: **No**  
Spin. Pole: **No**

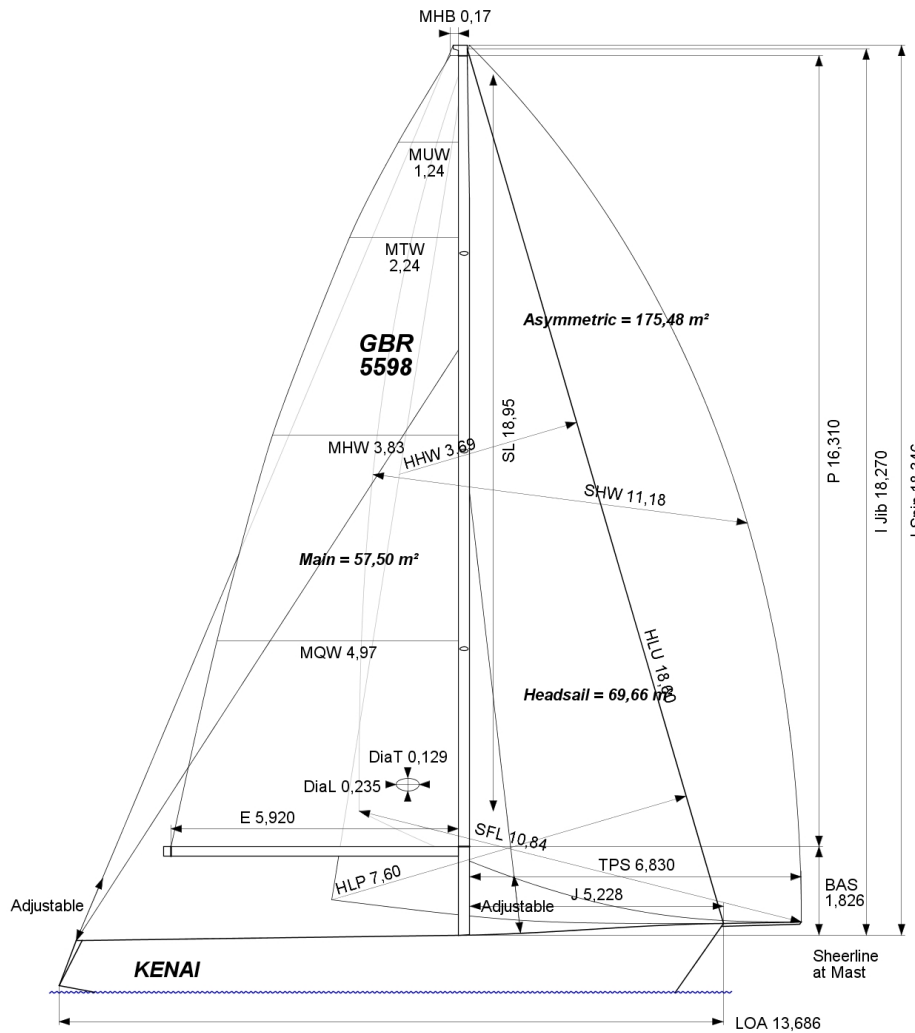
**Class Division Length**

**CDL = 11.490**

**Stability (Measured)**

Limit Positive Stab.: **112.0°**  
Stability Index: **117.1**

**Owner**



BOAT	GPH	HULL
Name <b>KENAI</b> Sail Nr <b>GBR 5598</b>	<b>562.7</b>	Data File <b>US6097</b> LOA <b>13.686m</b> Offset File <b>US19585A.OFF</b> MB <b>4.206m</b> Displacement <b>10,516kg</b> Draft <b>2.464m</b>
<b>CLASS</b> Class <b>J-44</b> Designer <b>JOHNSTONE</b> Builder <b>TILL-PEARSON</b> Series <b>05/1989, CIN 43</b> Age Date <b>05/1991</b> Age Allowance <b>0.487%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.020%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex <b>0.00</b> Carbon Rudder <b>Yes</b> Light Stanchions	IMS L <b>12.188m</b> VCGD <b>0.022m</b> Sink <b>29.42kg/mm</b> RL <b>10.794m</b> VCGM <b>0.001m</b> WS <b>39.44m²</b> LSM0 <b>12.251m</b> Displacement/Length ratio <b>5.7192</b>
<b>COMMENTS</b>	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>	<b>CENTERBOARD</b>  <b>N/A</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.491</b> Type <b>Feathering 3 blades</b> PBW <b>0.154</b> PIPA <b>0.0061</b>		
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>548.7</b>	<b>616.3</b>
Time on Time	<b>1.0934</b>	<b>1.0952</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>641.5 498.7 449.0</b>	<b>835.2 618.0 542.0</b>
Time on Time	<b>1.0522 1.3534 1.5034</b>	<b>0.8082 1.0923 1.2454</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>							
Name	<b>KENAI</b>	Certificate Number	<b>US6097</b>				
Sail Nr	<b>GBR 5598</b>	Issued On	<b>11/01/2021</b>				

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>926.7</b>	<b>765.6</b>	<b>680.4</b>	<b>642.7</b>	<b>624.6</b>	<b>613.9</b>	<b>602.1</b>
52°	<b>608.7</b>	<b>511.2</b>	<b>468.0</b>	<b>453.4</b>	<b>446.9</b>	<b>443.4</b>	<b>440.3</b>
60°	<b>575.9</b>	<b>490.2</b>	<b>456.3</b>	<b>442.7</b>	<b>436.3</b>	<b>432.4</b>	<b>428.7</b>
75°	<b>551.2</b>	<b>476.9</b>	<b>448.0</b>	<b>433.0</b>	<b>422.6</b>	<b>415.9</b>	<b>408.7</b>
90°	<b>541.8</b>	<b>464.7</b>	<b>437.4</b>	<b>422.2</b>	<b>411.4</b>	<b>403.1</b>	<b>386.9</b>
110°	<b>558.8</b>	<b>472.2</b>	<b>439.0</b>	<b>418.6</b>	<b>399.5</b>	<b>382.6</b>	<b>359.1</b>
120°	<b>588.1</b>	<b>489.0</b>	<b>444.8</b>	<b>421.8</b>	<b>400.9</b>	<b>381.7</b>	<b>353.3</b>
135°	<b>669.7</b>	<b>535.6</b>	<b>466.2</b>	<b>436.3</b>	<b>415.0</b>	<b>393.1</b>	<b>351.7</b>
150°	<b>795.3</b>	<b>632.1</b>	<b>530.7</b>	<b>471.6</b>	<b>445.6</b>	<b>428.7</b>	<b>396.1</b>
Run VMG	<b>918.3</b>	<b>729.9</b>	<b>612.8</b>	<b>544.6</b>	<b>513.4</b>	<b>482.7</b>	<b>433.3</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>922.5</b>	<b>747.8</b>	<b>646.6</b>	<b>593.7</b>	<b>569.0</b>	<b>548.3</b>	<b>517.7</b>
Circular Random	<b>771.5</b>	<b>624.0</b>	<b>545.9</b>	<b>501.4</b>	<b>474.5</b>	<b>456.8</b>	<b>433.0</b>
Coastal / Long Distance	<b>922.1</b>	<b>702.0</b>	<b>582.6</b>	<b>517.1</b>	<b>485.1</b>	<b>458.7</b>	<b>416.0</b>
Non Spinnaker	<b>829.3</b>	<b>665.4</b>	<b>576.5</b>	<b>524.1</b>	<b>491.4</b>	<b>470.0</b>	<b>443.3</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>42.8°</b>	<b>41.3°</b>	<b>40.9°</b>	<b>39.0°</b>	<b>37.9°</b>	<b>37.1°</b>	<b>36.8°</b>
Beat VMG	<b>3.88</b>	<b>4.70</b>	<b>5.29</b>	<b>5.60</b>	<b>5.76</b>	<b>5.86</b>	<b>5.98</b>
52°	<b>5.91</b>	<b>7.04</b>	<b>7.69</b>	<b>7.94</b>	<b>8.05</b>	<b>8.12</b>	<b>8.18</b>
60°	<b>6.25</b>	<b>7.34</b>	<b>7.89</b>	<b>8.13</b>	<b>8.25</b>	<b>8.32</b>	<b>8.40</b>
75°	<b>6.53</b>	<b>7.55</b>	<b>8.04</b>	<b>8.31</b>	<b>8.52</b>	<b>8.66</b>	<b>8.81</b>
90°	<b>6.64</b>	<b>7.75</b>	<b>8.23</b>	<b>8.53</b>	<b>8.75</b>	<b>8.93</b>	<b>9.31</b>
110°	<b>6.44</b>	<b>7.62</b>	<b>8.20</b>	<b>8.60</b>	<b>9.01</b>	<b>9.41</b>	<b>10.02</b>
120°	<b>6.12</b>	<b>7.36</b>	<b>8.09</b>	<b>8.53</b>	<b>8.98</b>	<b>9.43</b>	<b>10.19</b>
135°	<b>5.38</b>	<b>6.72</b>	<b>7.72</b>	<b>8.25</b>	<b>8.67</b>	<b>9.16</b>	<b>10.24</b>
150°	<b>4.53</b>	<b>5.69</b>	<b>6.78</b>	<b>7.63</b>	<b>8.08</b>	<b>8.40</b>	<b>9.09</b>
Run VMG	<b>3.92</b>	<b>4.93</b>	<b>5.87</b>	<b>6.61</b>	<b>7.01</b>	<b>7.46</b>	<b>8.31</b>
Gybe Angles	<b>143.0°</b>	<b>147.0°</b>	<b>146.8°</b>	<b>149.8°</b>	<b>151.0°</b>	<b>175.0°</b>	<b>178.0°</b>