



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

ORC  
Central Rating Office  
issuing certificates for  
CANADA



### Certificate

Number **027/16**  
Issued On **29.4.2016**.  
ORC Ref **CAN00062719**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016**.

### Crew Weight

Declared **700kg**  
Default\* **1,091kg**  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>599.2</b>	<b>1.0013</b>
Non Spin OSN	<b>582.5</b>	<b>1.0300</b>
N/S Perf. Line	<b>-25.4</b>	<b>0.596</b>

### Sails Limitations

Headsails **1** Spinnakers **4**

### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **Yes 176.82**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **11.864**

### Stability

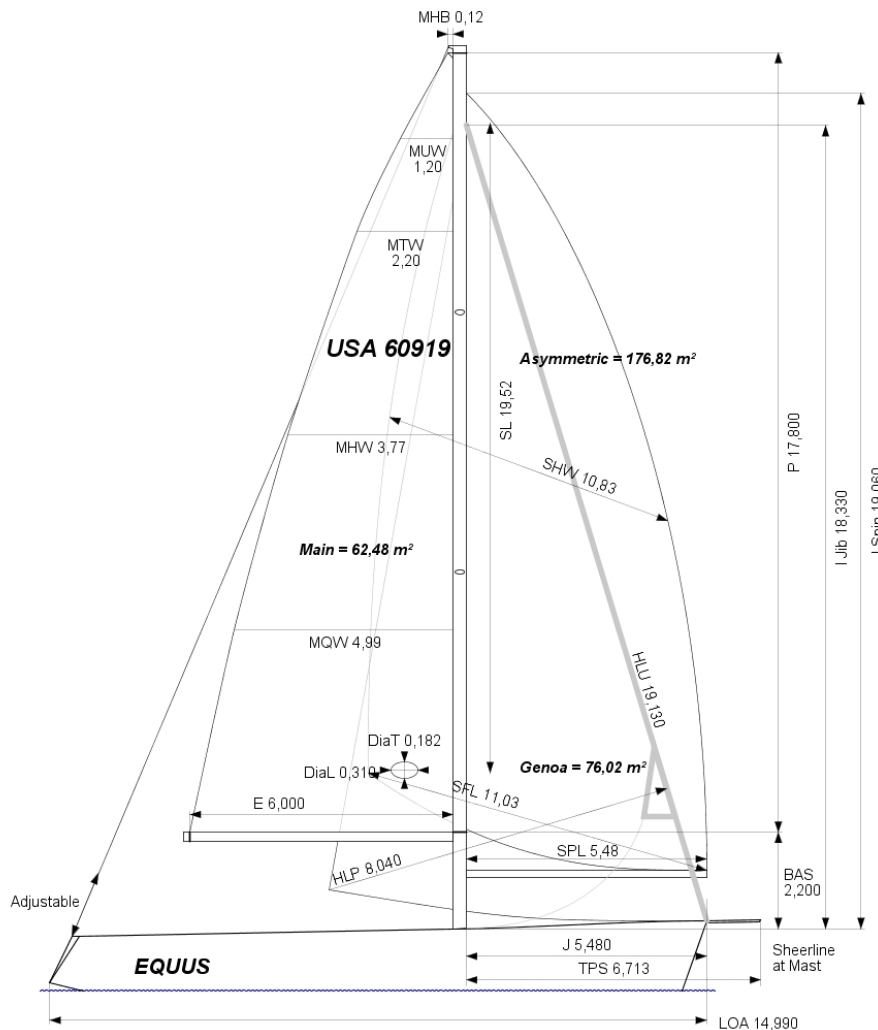
LPS (Estimated): **101.9°**  
Stability Index: **107.6**  
OSR Category: **N/A**

### Owner

Dean & Shelley Conti  
22301 147th Ave SE  
WA  
98042 Kent United States

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

Signature



BOAT		GPH		HULL			
Name	<b>Equus</b>			Data File	<b>USA60919.dxt</b>	LOA	<b>14.990m</b>
Sail Nr	<b>USA 60919</b>			Offset File	<b>SunOdyssey509.</b>	MB	<b>4.692m</b>
			<b>570.1</b>	Displacement	<b>13,735kg</b>	Draft	<b>2.245m</b>
CLASS				IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.308%</b>
Class	<b>Sun Oddysey 509</b>			Fwd Accom.	<b>Yes</b>	Construction	<b>Solid</b>
Designer	<b>Philippe Briand</b>			Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Builder	<b>Jeanneau</b>			Crew Arm Ex		Carbon Rudder	<b>No</b>
Series	<b>12.2013</b>					Light Stanchions	<b>No</b>
Age Date	<b>01.2015</b>			IMSL	<b>13.933m</b>	VCGD	<b>0.290m</b>
Age Allowance	<b>0.098%</b>			RL	<b>9.793m</b>	VCGM	<b>0.322m</b>
				WS	<b>50.41m2</b>		
				LSM0	<b>13.815m</b>	Displacement/Length ratio	<b>5.2093</b>
COMMENTS				Water Ballast	<b>0</b>	Trim Tab	<b>No</b>
PROPELLER				CENTERBOARD			
Installation	<b>Strut</b>	PRD	<b>0.510</b>	<b>N/A</b>			
Type	<b>Folding 3 blades</b>	PIPA	<b>0.0011</b>				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	<b>553.7</b>			<b>628.2</b>			
Time On Time	<b>1.0837</b>			<b>1.0745</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.664</b>	<b>-4.3</b>		<b>0.795</b>	<b>130.8</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0.9969</b>	<b>1.3526</b>	<b>1.5594</b>	<b>0.7540</b>	<b>1.0630</b>	<b>1.2707</b>	



World Leader in Rating Technology

# 2016

## ORC Club Certificate Appendix

### BOAT

Name **Equus** Certificate Number **027/16**  
 Sail Nr **USA 60919** Issued On **29.4.2016.**

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1051.3</b>	<b>851.0</b>	<b>738.5</b>	<b>674.8</b>	<b>642.6</b>	<b>625.3</b>	<b>613.8</b>
52°	<b>663.5</b>	<b>543.8</b>	<b>475.9</b>	<b>441.2</b>	<b>427.8</b>	<b>421.2</b>	<b>415.8</b>
60°	<b>609.9</b>	<b>505.4</b>	<b>447.3</b>	<b>421.0</b>	<b>411.1</b>	<b>405.9</b>	<b>401.0</b>
75°	<b>564.7</b>	<b>472.8</b>	<b>426.8</b>	<b>406.2</b>	<b>393.7</b>	<b>386.1</b>	<b>378.4</b>
90°	<b>562.7</b>	<b>471.5</b>	<b>426.4</b>	<b>405.6</b>	<b>390.9</b>	<b>377.2</b>	<b>357.6</b>
110°	<b>586.9</b>	<b>476.1</b>	<b>422.0</b>	<b>398.0</b>	<b>379.6</b>	<b>366.1</b>	<b>346.8</b>
120°	<b>604.7</b>	<b>490.6</b>	<b>430.2</b>	<b>403.2</b>	<b>383.0</b>	<b>362.1</b>	<b>331.5</b>
135°	<b>679.4</b>	<b>542.4</b>	<b>463.7</b>	<b>421.3</b>	<b>398.9</b>	<b>379.6</b>	<b>339.4</b>
150°	<b>815.3</b>	<b>638.3</b>	<b>535.1</b>	<b>465.6</b>	<b>425.0</b>	<b>402.6</b>	<b>365.9</b>
Run VMG	<b>941.4</b>	<b>737.1</b>	<b>617.9</b>	<b>536.7</b>	<b>484.1</b>	<b>445.7</b>	<b>397.3</b>

### Selected Courses

Windward / Leeward	<b>996.4</b>	<b>794.0</b>	<b>678.2</b>	<b>605.7</b>	<b>563.3</b>	<b>535.5</b>	<b>505.5</b>
Circular Random	<b>806.1</b>	<b>641.9</b>	<b>551.8</b>	<b>498.3</b>	<b>464.8</b>	<b>442.9</b>	<b>415.6</b>
Ocean for PCS	<b>1001.9</b>	<b>761.6</b>	<b>624.3</b>	<b>539.4</b>	<b>483.9</b>	<b>445.4</b>	<b>393.1</b>
Non Spinnaker	<b>857.4</b>	<b>678.7</b>	<b>579.4</b>	<b>519.6</b>	<b>481.8</b>	<b>457.0</b>	<b>426.9</b>

### 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	<b>46.5°</b>	<b>45.3°</b>	<b>44.5°</b>	<b>43.7°</b>	<b>42.5°</b>	<b>41.8°</b>	<b>41.3°</b>
Beat VMG	<b>3.42</b>	<b>4.23</b>	<b>4.88</b>	<b>5.34</b>	<b>5.60</b>	<b>5.76</b>	<b>5.87</b>
52°	<b>5.43</b>	<b>6.62</b>	<b>7.56</b>	<b>8.16</b>	<b>8.42</b>	<b>8.55</b>	<b>8.66</b>
60°	<b>5.90</b>	<b>7.12</b>	<b>8.05</b>	<b>8.55</b>	<b>8.76</b>	<b>8.87</b>	<b>8.98</b>
75°	<b>6.37</b>	<b>7.62</b>	<b>8.43</b>	<b>8.86</b>	<b>9.14</b>	<b>9.32</b>	<b>9.51</b>
90°	<b>6.40</b>	<b>7.64</b>	<b>8.44</b>	<b>8.88</b>	<b>9.21</b>	<b>9.54</b>	<b>10.07</b>
110°	<b>6.13</b>	<b>7.56</b>	<b>8.53</b>	<b>9.05</b>	<b>9.48</b>	<b>9.83</b>	<b>10.38</b>
120°	<b>5.95</b>	<b>7.34</b>	<b>8.37</b>	<b>8.93</b>	<b>9.40</b>	<b>9.94</b>	<b>10.86</b>
135°	<b>5.30</b>	<b>6.64</b>	<b>7.76</b>	<b>8.54</b>	<b>9.02</b>	<b>9.48</b>	<b>10.61</b>
150°	<b>4.42</b>	<b>5.64</b>	<b>6.73</b>	<b>7.73</b>	<b>8.47</b>	<b>8.94</b>	<b>9.84</b>
Run VMG	<b>3.82</b>	<b>4.88</b>	<b>5.83</b>	<b>6.71</b>	<b>7.44</b>	<b>8.08</b>	<b>9.06</b>
Gybe Angles	<b>142.9°</b>	<b>146.7°</b>	<b>147.2°</b>	<b>151.7°</b>	<b>156.8°</b>	<b>171.6°</b>	<b>180.0°</b>