

|  |                            |  |
|--|----------------------------|--|
| <b>BOAT</b><br>Name <b>TEAMWORK</b><br>Sail Nr <b>USA 52939</b>  | <b>GPH</b><br><b>576.1</b> | <b>HULL</b><br>Length Overall <b>12.190m</b><br>Maximum Beam <b>3.638m</b><br>Displacement <b>7,147kg</b><br>Draft <b>2.226m</b><br>IMS Reg. Division <b>Cruiser/Racer</b><br>Dynamic Allowance <b>0.102%</b><br>Fwd Accommodation <b>Yes</b><br>Hull Construction <b>Cored</b><br>Carbon Rudder <b>No</b><br>Crew Arm Extension |
| <b>GENERAL</b><br>Class <b>J-122</b><br>Designer <b>J Boats</b><br>Builder <b>JEurope</b><br>Series <b>01/2006</b><br>Age <b>01/2007</b><br>Age Allowance <b>0.422%</b><br>Offset File <b>US6179.OFF - 12/03/2018 17:02:00</b><br>Measurement by - <b>19/04/2017</b> |                            | IMSL <b>11.093m</b> VCGD <b>-0.004m</b> Sink <b>23.05kg/mm</b><br>RL <b>10.024m</b> VCGM <b>-0.028m</b> WS <b>30.77m<sup>2</sup></b><br>LSM0 <b>10.976m</b> Displacement/Length ratio <b>5.4049</b>  |



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| SCORING OPTIONS  |                         |               |               |                    |               |               |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
|                  | COASTAL / LONG DISTANCE |               |               | WINDWARD / LEEWARD |               |               |
| Time on Distance | <b>560.6</b>            |               |               | <b>629.0</b>       |               |               |
| Time on Time     | <b>1.0704</b>           |               |               | <b>1.0731</b>      |               |               |
| Triple Number    | Low                     | Medium        | High          | Low                | Medium        | High          |
| Time on Distance | <b>654.6</b>            | <b>511.2</b>  | <b>460.9</b>  | <b>846.1</b>       | <b>629.8</b>  | <b>556.7</b>  |
| Time on Time     | <b>1.0311</b>           | <b>1.3204</b> | <b>1.4645</b> | <b>0.7978</b>      | <b>1.0718</b> | <b>1.2125</b> |

| TIME ALLOWANCES |              |              |              |              |              |              |              |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity   | 6 kt         | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG        | <b>976.1</b> | <b>802.7</b> | <b>706.8</b> | <b>667.0</b> | <b>650.3</b> | <b>642.6</b> | <b>625.7</b> |
| 52°             | <b>637.8</b> | <b>535.1</b> | <b>487.1</b> | <b>469.8</b> | <b>463.4</b> | <b>460.0</b> | <b>454.1</b> |
| 60°             | <b>601.7</b> | <b>512.1</b> | <b>474.4</b> | <b>458.6</b> | <b>451.3</b> | <b>447.4</b> | <b>443.0</b> |
| 75°             | <b>574.4</b> | <b>496.6</b> | <b>465.3</b> | <b>448.0</b> | <b>435.6</b> | <b>427.3</b> | <b>420.2</b> |
| 90°             | <b>580.8</b> | <b>489.1</b> | <b>463.2</b> | <b>445.8</b> | <b>429.5</b> | <b>414.6</b> | <b>394.1</b> |
| 110°            | <b>570.2</b> | <b>480.0</b> | <b>447.3</b> | <b>427.8</b> | <b>415.0</b> | <b>404.2</b> | <b>382.5</b> |
| 120°            | <b>582.9</b> | <b>486.4</b> | <b>450.4</b> | <b>424.9</b> | <b>401.5</b> | <b>386.1</b> | <b>363.9</b> |
| 135°            | <b>652.0</b> | <b>524.9</b> | <b>468.3</b> | <b>440.9</b> | <b>415.2</b> | <b>389.5</b> | <b>337.9</b> |
| 150°            | <b>772.6</b> | <b>618.0</b> | <b>522.7</b> | <b>472.8</b> | <b>451.8</b> | <b>432.6</b> | <b>388.9</b> |
| Run VMG         | <b>892.1</b> | <b>713.6</b> | <b>603.5</b> | <b>545.5</b> | <b>519.0</b> | <b>483.3</b> | <b>437.9</b> |

**Certificate**  
Number **US6179**  
ORC Ref **USAX0297AAR**  
Issued On **07/06/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **786kg**  
Maximum **840kg**  
Minimum\* **630kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

|              |              |               |
|--------------|--------------|---------------|
|              | ToD          | ToT           |
| Non Spin GPH | <b>615.9</b> | <b>0.9742</b> |
| Non Spin OSN | <b>599.0</b> | <b>1.0017</b> |

| Selected Courses        |              |              |              |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward      | <b>934.1</b> | <b>758.1</b> | <b>655.2</b> | <b>606.2</b> | <b>584.7</b> | <b>562.9</b> | <b>531.8</b> |
| Circular Random         | <b>788.3</b> | <b>638.2</b> | <b>559.0</b> | <b>514.1</b> | <b>486.9</b> | <b>468.7</b> | <b>442.7</b> |
| Coastal / Long Distance | <b>929.9</b> | <b>711.8</b> | <b>592.8</b> | <b>529.9</b> | <b>498.1</b> | <b>470.6</b> | <b>425.8</b> |
| Non Spinnaker           | <b>862.1</b> | <b>690.1</b> | <b>596.7</b> | <b>541.7</b> | <b>507.5</b> | <b>484.9</b> | <b>455.6</b> |

**Sails Limitations**

|           |            |
|-----------|------------|
| Headsails | Spinnakers |
| <b>6</b>  | <b>4</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>42.8°</b>  | <b>41.4°</b>  | <b>40.4°</b>  | <b>39.0°</b>  | <b>38.1°</b>  | <b>38.0°</b>  | <b>37.3°</b>  |
| Beat VMG  | <b>3.69</b>   | <b>4.48</b>   | <b>5.09</b>   | <b>5.40</b>   | <b>5.54</b>   | <b>5.60</b>   | <b>5.75</b>   |
| 52°   | <b>5.64</b>   | <b>6.73</b>   | <b>7.39</b>   | <b>7.66</b>   | <b>7.77</b>   | <b>7.83</b>   | <b>7.93</b>   |
| 60°   | <b>5.98</b>   | <b>7.03</b>   | <b>7.59</b>   | <b>7.85</b>   | <b>7.98</b>   | <b>8.05</b>   | <b>8.13</b>   |
| 75°   | <b>6.27</b>   | <b>7.25</b>   | <b>7.74</b>   | <b>8.04</b>   | <b>8.27</b>   | <b>8.42</b>   | <b>8.57</b>   |
| 90°   | <b>6.20</b>   | <b>7.36</b>   | <b>7.77</b>   | <b>8.08</b>   | <b>8.38</b>   | <b>8.68</b>   | <b>9.14</b>   |
| 110°  | <b>6.31</b>   | <b>7.50</b>   | <b>8.05</b>   | <b>8.42</b>   | <b>8.68</b>   | <b>8.91</b>   | <b>9.41</b>   |
| 120°  | <b>6.18</b>   | <b>7.40</b>   | <b>7.99</b>   | <b>8.47</b>   | <b>8.97</b>   | <b>9.32</b>   | <b>9.89</b>   |
| 135°  | <b>5.52</b>   | <b>6.86</b>   | <b>7.69</b>   | <b>8.16</b>   | <b>8.67</b>   | <b>9.24</b>   | <b>10.65</b>  |
| 150°  | <b>4.66</b>   | <b>5.83</b>   | <b>6.89</b>   | <b>7.62</b>   | <b>7.97</b>   | <b>8.32</b>   | <b>9.26</b>   |
| Run VMG   | <b>4.04</b>   | <b>5.04</b>   | <b>5.97</b>   | <b>6.60</b>   | <b>6.94</b>   | <b>7.45</b>   | <b>8.22</b>   |
| Gybe Angles                                       | <b>143.6°</b> | <b>146.8°</b> | <b>148.3°</b> | <b>150.8°</b> | <b>152.2°</b> | <b>175.8°</b> | <b>177.5°</b> |

**Class Division Length**  
CDL = **10.559**

**Storm Sails Areas**  
Heavy Weather Jib **39.73**  
Storm Jib (JL=11.16) **14.72**  
Storm Trysail **14.68**

**Owner**

|                                |  |
|--------------------------------|--|
| <b>BOAT</b>                    |  |
| Name <b>TEAMWORK</b>           | Sail Nr <b>USA 52939</b>                           |
| File <b>US6179</b>             | Data in <b>meters/kilograms</b>                    |
| <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>Yes</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>15.650</b>                | E <b>5.360</b> MDT1 <b>0.130</b> MW <b>0.205</b>   |
| IG <b>17.080</b>               | J <b>4.570</b> MDL1 <b>0.255</b> GO <b>0.225</b>   |
| ISP <b>17.600</b>              | SFJ <b>0.300</b> MDT2 <b>0.130</b> BD <b>0.220</b> |
| BAS <b>1.745</b>               | SPL <b>0.000</b> MDL2 <b>0.188</b> MWT             |
| FSP <b>0.064</b>               | TPS <b>6.420</b> TL <b>1.920</b> MCG               |

|  |                       |                    |
|--|-----------------------|--------------------|
| <b>INCLINING TEST AND FREEBOARDS</b>     |                       |                    |
| Inclining Test <b>Current Inclining</b>  |                       |                    |
| Flotation date <b>19/04/2017</b>         | SG <b>1.0140</b>      |                    |
| FFM <b>1.368</b>                         | FF <b>1.372</b>       | SFFP <b>0.300</b>  |
| FAM <b>0.980</b>                         | FA <b>0.983</b>       | SAFP <b>11.850</b> |
| W1 <b>93.5</b>                           | PD1 <b>573.0</b>      | WD <b>13.865</b>   |
| W2 <b>93.5</b>                           | PD2 <b>574.0</b>      | GSA <b>1.0</b>     |
| W3 <b>93.5</b>                           | PD3 <b>570.0</b>      | RSA <b>1.0</b>     |
| W4 <b>93.5</b>                           | PD4 <b>572.0</b>      | PLM <b>9000.0</b>  |
| LCF from stem on CL / on sheer           | <b>6.776 / 6.996</b>  |                    |
| Maximum beam station from stem           | <b>7.800</b>          |                    |
| RM Measured                              | <b>178.4kg-m</b>      |                    |
| RM Default                               | <b>184.0kg-m</b>      |                    |
| Limit of positive stability / Stab.Index | <b>118.0° / 122.1</b> |                    |
| Freeboard at mast at 4.870               | <b>1.157</b>          |                    |



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

|                              |                    |                  |
|------------------------------|--------------------|------------------|
| <b>PROPELLER</b>             |                    |                  |
| Installation <b>Strut</b>    | PRD <b>0.420</b>   |                  |
| Type <b>Folding 3 blades</b> | PBW <b>0.110</b>   |                  |
| Twin Screw <b>No</b>         | PIPA <b>0.0033</b> |                  |
| ST1 <b>0.048</b>             | ST3 <b>0.170</b>   | ST5 <b>0.290</b> |
| ST2 <b>0.170</b>             | ST4 <b>0.098</b>   | EDL <b>2.400</b> |

|                               |  |
|-------------------------------|--|
| <b>Certificate</b>            |  |
| Number <b>US6179</b>          |  |
| ORC Ref <b>USAX0297AAR</b>    |  |
| Issued On <b>07/06/2019</b>   |  |
| VPP Ver. <b>2019 1.01</b>     |  |
| Valid until <b>31/12/2019</b> |  |

|                 |
|-----------------|
| <b>COMMENTS</b> |
|                 |

|                        |  |
|------------------------|--|
| <b>MOVABLE BALLAST</b> |  |
| N/A                    |  |

|                   |    |    |
|-------------------|----|----|
| <b>BILGEBOARD</b> |    |    |
| BS                | BT | BA |
| BF                | BX |    |
| BC                | BY |    |



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|                              |       |       |       |       |       |        |                        |  |  |
|------------------------------|-------|-------|-------|-------|-------|--------|------------------------|--|--|
| <b>SAILS (Maximum Areas)</b> |       |       |       |       |       |        |                        |  |  |
| Mainsail                     | MHB   | MUW   | MTW   | MHW   | MQW   | Area   | Area (r)               | Formula  |  |
|                              | 0.170 | 1.10  | 1.95  | 3.45  | 4.44  | 49.40  | 50.30                  | P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB) |  |
| Symmetric<br>Not Available   |       |       |       |       |       |        |                        |  |  |
| Asymmetric<br>on centerline  | SLU   | SLE   | SL    | SHW   | SFL   | Area   | AS · (SFL + 4·SHW) / 6 |  |  |
|                              | 19.90 | 16.19 | 18.05 | 10.38 | 10.13 | 155.34 |                        |  |  |

|   |      |      |      |      |      |       |       |     |     |           |          |         |
|---|------|------|------|------|------|-------|-------|-----|-----|-----------|----------|---------|
| <b>HEADSAILS</b>  |      |      |      |      |      |       |       |     |     |           |          |         |
| Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB) |      |      |      |      |      |       |       |     |     |           |          |         |
| HHB   | HUW  | HTW  | HHW  | HQW  | HLP  | HLU   | Area  | Btn | Fly | Meas.Date | Material | Comment |
| 0.08  | 0.66 | 1.28 | 2.54 | 3.79 | 5.10 | 16.54 | 42.14 |     |     | 2019      | NORTH    | JIB     |

|                              |        |                    |          |                 |
|------------------------------|--------|--------------------|----------|-----------------|
| <b>MEASUREMENT INVENTORY</b> |        |                    |          |                 |
| Measurer                     | Date   | Comment            |          |                 |
| Id                           | Item   | Weight             | Distance | VCG Description |
| a                            | Ancher | 0.0                | 0.00     |                 |
| Id                           | Item   | Weight Description |          |                 |

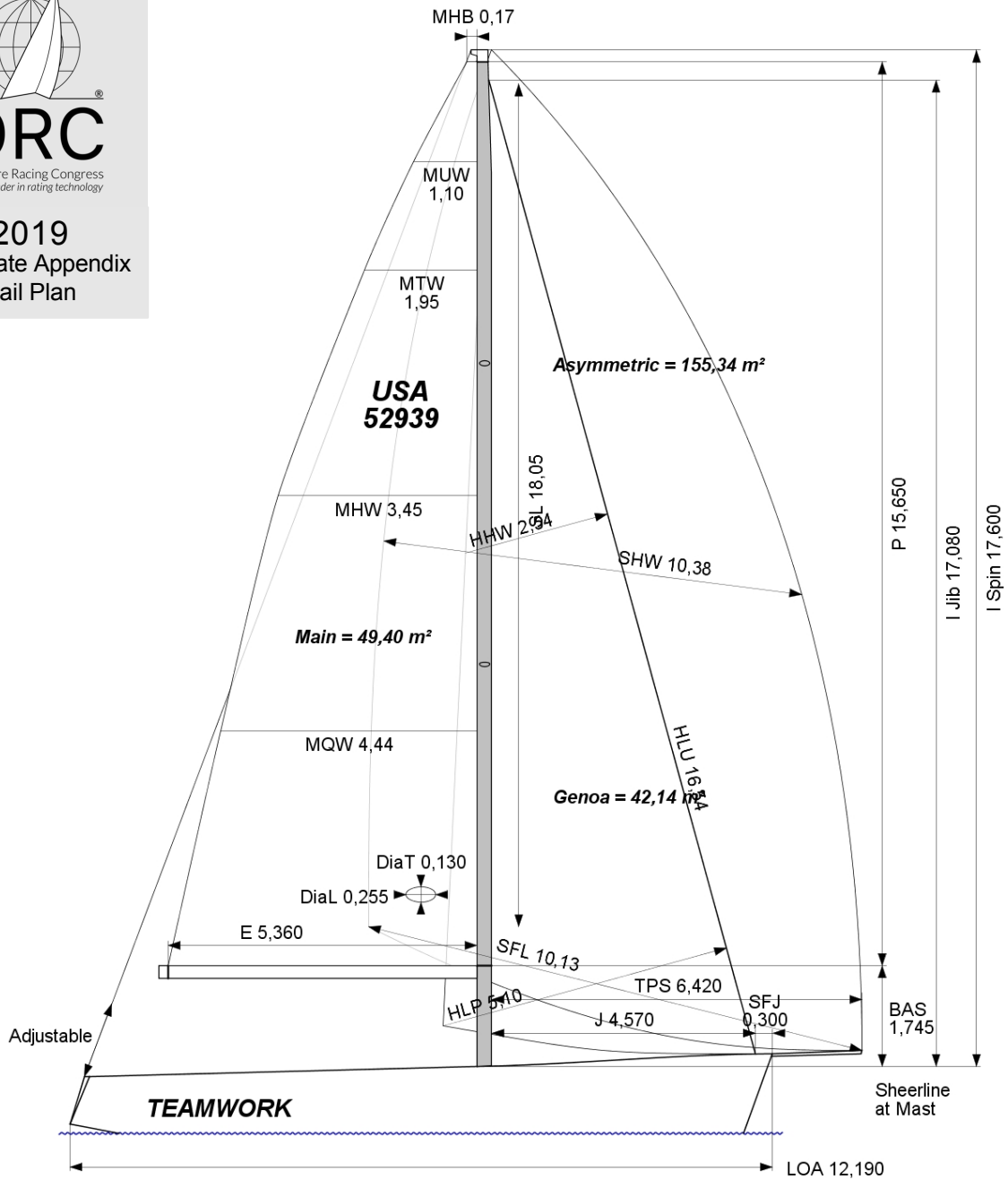
|                              |      |        |          |                 |        |       |      |        |             |
|------------------------------|------|--------|----------|-----------------|--------|-------|------|--------|-------------|
| <b>MEASUREMENT INVENTORY</b> |      |        |          |                 |        |       |      |        |             |
| Id                           | Item | Tank   | Use      | Tank Type       | Capcty | Dist. | VCG  | Condtn | Description |
|                              | Tank |        |          |                 |        | 0.00  | 0.00 | 0-0    |             |
| Id                           | Item | Weight | Distance | VCG Description |        |       |      |        |             |



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Sail Plan



**SAILS INVENTORY**

| MAINSAIL (1)              |       |       |       |       |       |        |          |           |             |             |           |          |           |             |          |                |
|---------------------------|-------|-------|-------|-------|-------|--------|----------|-----------|-------------|-------------|-----------|----------|-----------|-------------|----------|----------------|
| Id                        | MHB   | MUW   | MTW   | MHW   | MQW   | Area   | Measurer | Meas.Date | Manufacture | Material    | Comment   |          |           |             |          |                |
| 1622166                   | 0.17  | 1.10  | 1.95  | 3.45  | 4.44  | 49.40  |          |           |             |             | 2019 MAIN |          |           |             |          |                |
| HEADSAILS (1)             |       |       |       |       |       |        |          |           |             |             |           |          |           |             |          |                |
| Id                        | HHB   | HUW   | HTW   | HHW   | HQW   | HLP    | HLU      | Ovrlp     | Area        | Btn         | Fly       | Measurer | Meas.Date | Manufacture | Material | Comment        |
| 1574033                   | 0.08  | 0.66  | 1.28  | 2.54  | 3.79  | 5.10   | 16.54    | 112%      | 42.14       |             |           |          |           |             |          | 2019 NORTH JIB |
| SYMMETRIC SPINNAKERS (0)  |       |       |       |       |       |        |          |           |             |             |           |          |           |             |          |                |
| Id                        | SLU   | SLE   | SL    | SHW   | SFL   | Area   | Measurer | Meas.Date | Manufacture | Material    | Comment   |          |           |             |          |                |
| ASYMMETRIC SPINNAKERS (1) |       |       |       |       |       |        |          |           |             |             |           |          |           |             |          |                |
| Id                        | SLU   | SLE   | SL    | SHW   | SFL   | Area   | Kind     | Measurer  | Meas.Date   | Manufacture | Material  | Comment  |           |             |          |                |
| 2526721                   | 19.90 | 16.19 | 18.05 | 10.38 | 10.13 | 155.34 | asym     |           |             |             | North     | 2019 A2  |           |             |          |                |