

|                                                                                                                                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BOAT</b>                                                                                                                                                                                                                                                                         | <b>GPH</b>   | <b>HULL</b>                                                                                                                                                                                                                                                                                                                  |
| Name <b>CAMIRANGA</b><br>Sail Nr <b>BRA-2484</b>                                                                                                                                                                                                                                    | <b>389,8</b> | Length Overall <b>21,090m</b><br>Maximum Beam <b>5,678m</b><br>Displacement <b>17.297kg</b><br>Draft <b>4,171m</b><br>IMS Reg. Division <b>Cruiser/Racer</b><br>Dynamic Allowance <b>0,001%</b><br>Fwd Accommodation <b>Yes</b><br>Hull Construction <b>Carbon, Aramid</b><br>Carbon Rudder <b>Yes</b><br>Crew Arm Extension |
| <b>GENERAL</b>                                                                                                                                                                                                                                                                      |              | IMSL <b>19,536m</b> VCGD <b>-0,268m</b> Sink <b>63,78kg/mm</b><br>RL <b>21,983m</b> VCGM <b>-0,240m</b> WS <b>73,99m<sup>2</sup></b><br>LSM0 <b>19,545m</b> Displacement/Length ratio <b>2,3167</b>                                                                                                                          |
| Class <b>Soto Acebal 65</b><br>Designer <b>JAVIER SOTO ACEBAL</b><br>Builder <b>mboats</b><br>Series <b>09/2013</b><br>Age <b>09/2013</b><br>Age Allowance <b>0,098%</b><br>Offset File <b>BRA2484.off - 20/11/2013 03:55:30</b><br>Measurement by <b>P. GUTIERREZ - 15/11/2013</b> |              |                                                                                                                                                                                                                                                                                                                              |



World Leader in Rating Technology

**2016**  
ORC International  
Certificate

**Rating Office**  
**PATRICIO D. GUTIERREZ**  
**C. GRIERSON Y**  
**COSTANERASUR**  
**Y.C.A**



|                  | OFFSHORE<br>COASTAL / LONG DISTANCE |                      |                    | INSHORE<br>WINDWARD / LEEWARD |                      |                    |
|------------------|-------------------------------------|----------------------|--------------------|-------------------------------|----------------------|--------------------|
|                  | PLT                                 | PLD                  |                    | PLT                           | PLD                  |                    |
| Time On Distance | <b>381,1</b>                        |                      |                    | <b>438,5</b>                  |                      |                    |
| Time On Time     | <b>1,5745</b>                       |                      |                    | <b>1,5393</b>                 |                      |                    |
| Performance Line | <b>1,491</b>                        | <b>108,0</b>         |                    | <b>1,232</b>                  | <b>170,3</b>         |                    |
| Triple Number    | Low <b>1,4720</b>                   | Medium <b>1,9612</b> | High <b>2,3465</b> | Low <b>1,0912</b>             | Medium <b>1,5244</b> | High <b>1,8328</b> |

| TIME ALLOWANCES         |              |              |              |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt         | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>702,3</b> | <b>550,4</b> | <b>482,3</b> | <b>450,4</b> | <b>431,7</b> | <b>420,3</b> | <b>405,2</b> |
| 52°                     | <b>441,4</b> | <b>355,8</b> | <b>332,8</b> | <b>317,7</b> | <b>305,3</b> | <b>298,2</b> | <b>283,3</b> |
| 60°                     | <b>402,1</b> | <b>339,1</b> | <b>317,6</b> | <b>301,6</b> | <b>289,7</b> | <b>282,0</b> | <b>267,3</b> |
| 75°                     | <b>362,4</b> | <b>319,3</b> | <b>293,8</b> | <b>277,4</b> | <b>265,3</b> | <b>255,6</b> | <b>241,9</b> |
| 90°                     | <b>353,5</b> | <b>306,4</b> | <b>280,3</b> | <b>263,0</b> | <b>247,4</b> | <b>235,5</b> | <b>215,1</b> |
| 110°                    | <b>362,2</b> | <b>322,7</b> | <b>285,4</b> | <b>252,5</b> | <b>234,8</b> | <b>219,9</b> | <b>175,3</b> |
| 120°                    | <b>384,2</b> | <b>340,1</b> | <b>312,6</b> | <b>278,8</b> | <b>249,0</b> | <b>218,3</b> | <b>187,3</b> |
| 135°                    | <b>486,7</b> | <b>382,6</b> | <b>339,8</b> | <b>307,9</b> | <b>275,1</b> | <b>242,5</b> | <b>196,9</b> |
| 150°                    | <b>596,1</b> | <b>461,9</b> | <b>387,9</b> | <b>346,3</b> | <b>320,4</b> | <b>291,5</b> | <b>230,7</b> |
| Run VMG                 | <b>688,4</b> | <b>533,4</b> | <b>447,9</b> | <b>402,6</b> | <b>372,0</b> | <b>336,6</b> | <b>266,4</b> |
| <b>Selected Courses</b> |              |              |              |              |              |              |              |
| Windward / Leeward      | <b>695,3</b> | <b>541,9</b> | <b>465,1</b> | <b>426,5</b> | <b>401,8</b> | <b>378,4</b> | <b>335,8</b> |
| Circular Random         | <b>549,2</b> | <b>438,9</b> | <b>378,1</b> | <b>340,7</b> | <b>314,9</b> | <b>295,0</b> | <b>263,2</b> |
| Ocean for PCS           | <b>510,5</b> | <b>414,6</b> | <b>360,9</b> | <b>325,3</b> | <b>297,5</b> | <b>273,7</b> | <b>234,2</b> |
| Non Spinnaker           | <b>575,3</b> | <b>459,6</b> | <b>395,6</b> | <b>356,2</b> | <b>329,6</b> | <b>310,0</b> | <b>280,8</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>46,8°</b>  | <b>45,9°</b>  | <b>40,4°</b>  | <b>37,2°</b>  | <b>35,3°</b>  | <b>33,7°</b>  | <b>32,4°</b>  |
| Beat VMG                                          | <b>5,13</b>   | <b>6,54</b>   | <b>7,46</b>   | <b>7,99</b>   | <b>8,34</b>   | <b>8,57</b>   | <b>8,88</b>   |
| 52°                                               | <b>8,16</b>   | <b>10,12</b>  | <b>10,82</b>  | <b>11,33</b>  | <b>11,79</b>  | <b>12,07</b>  | <b>12,71</b>  |
| 60°                                               | <b>8,95</b>   | <b>10,62</b>  | <b>11,34</b>  | <b>11,94</b>  | <b>12,43</b>  | <b>12,76</b>  | <b>13,47</b>  |
| 75°                                               | <b>9,93</b>   | <b>11,28</b>  | <b>12,25</b>  | <b>12,98</b>  | <b>13,57</b>  | <b>14,08</b>  | <b>14,88</b>  |
| 90°                                               | <b>10,18</b>  | <b>11,75</b>  | <b>12,84</b>  | <b>13,69</b>  | <b>14,55</b>  | <b>15,28</b>  | <b>16,74</b>  |
| 110°                                              | <b>9,94</b>   | <b>11,16</b>  | <b>12,62</b>  | <b>14,26</b>  | <b>15,33</b>  | <b>16,37</b>  | <b>20,53</b>  |
| 120°                                              | <b>9,37</b>   | <b>10,58</b>  | <b>11,52</b>  | <b>12,91</b>  | <b>14,46</b>  | <b>16,49</b>  | <b>19,22</b>  |
| 135°                                              | <b>7,40</b>   | <b>9,41</b>   | <b>10,59</b>  | <b>11,69</b>  | <b>13,09</b>  | <b>14,85</b>  | <b>18,29</b>  |
| 150°                                              | <b>6,04</b>   | <b>7,79</b>   | <b>9,28</b>   | <b>10,39</b>  | <b>11,24</b>  | <b>12,35</b>  | <b>15,61</b>  |
| Run VMG                                           | <b>5,23</b>   | <b>6,75</b>   | <b>8,04</b>   | <b>8,94</b>   | <b>9,68</b>   | <b>10,70</b>  | <b>13,52</b>  |
| Gybe Angles                                       | <b>129,9°</b> | <b>139,2°</b> | <b>145,6°</b> | <b>151,2°</b> | <b>150,5°</b> | <b>141,1°</b> | <b>139,1°</b> |

**Certificate**  
Number **248401**  
ORC Ref **ARG00001492**  
Issued On **15/01/2016**  
VPP Ver. **2016 1.00**  
Valid until **31/12/2016**

**Crew Weight**  
Declared **1.350kg**  
Default\* **1.790kg**  
Non Manual Pwr **Yes**

**Special Scoring**

|                |              |               |
|----------------|--------------|---------------|
|                | ToD          | ToT           |
| Non Spin GPH   | <b>407,9</b> | <b>1,4709</b> |
| Non Spin OSN   | <b>401,0</b> | <b>1,4961</b> |
| N/S Perf. Line | <b>121,6</b> | <b>1,456</b>  |

**Sails Limitations**

|           |            |
|-----------|------------|
| Headsails | Spinnakers |
| <b>8</b>  | <b>4</b>   |

**Class Division Length**  
CDL = **20,762**

**Storm Sails Areas**

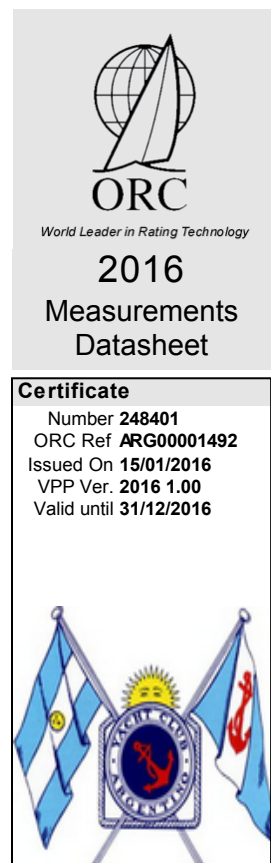
|                      |              |
|----------------------|--------------|
| Heavy Weather Jib    | <b>97,27</b> |
| Storm Jib (JL=17,45) | <b>36,02</b> |
| Storm Trysail        | <b>37,90</b> |

**Owner**  
**EDUARDO PLASS**  
**RIO DE JANEIRO**  
**BRAZIL**

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

Signature

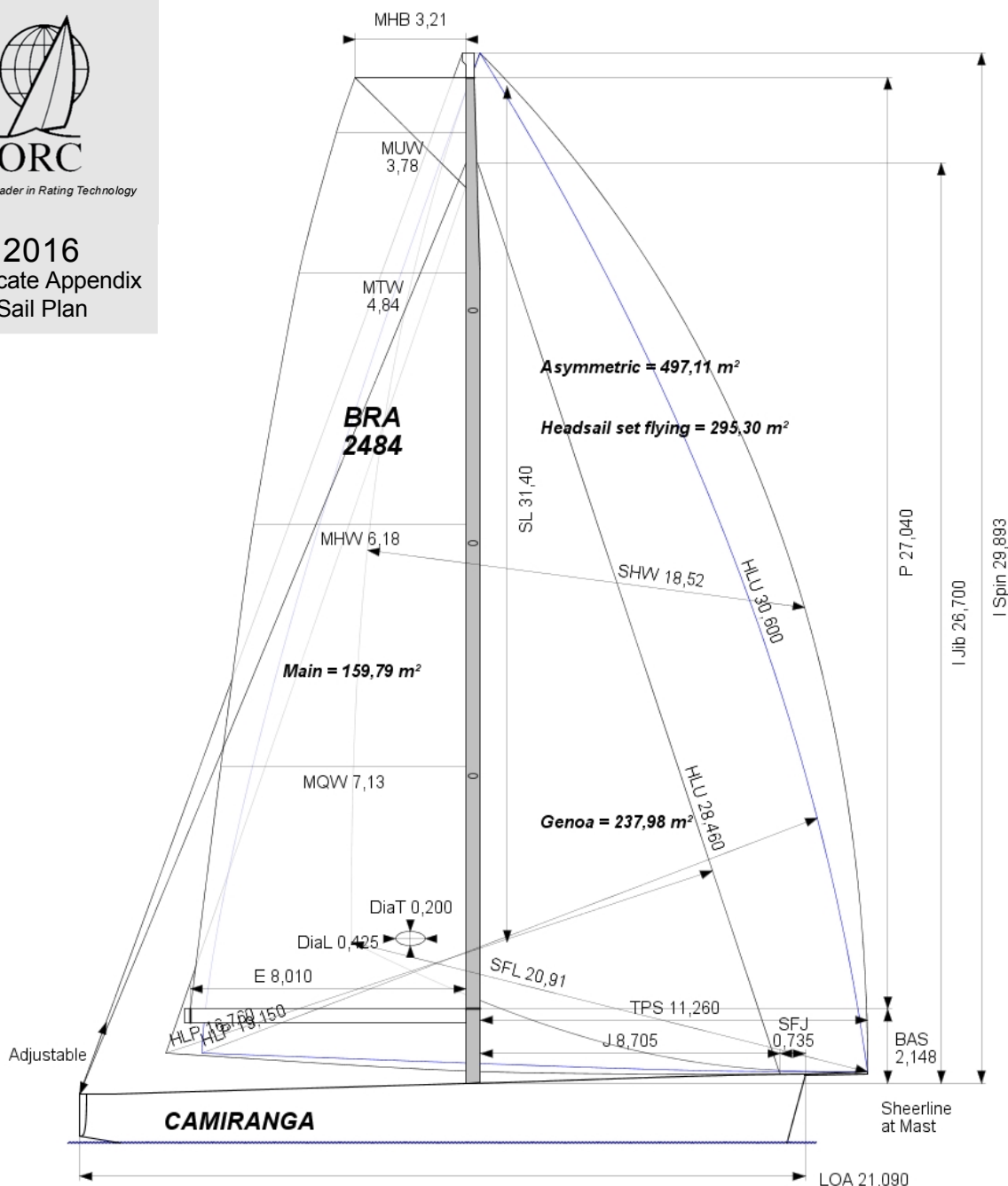
| BOAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |      |       |                                 |       |        |     |     | INCLINING TEST AND FREEBOARDS                                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|-------|---------------------------------|-------|--------|-----|-----|-------------------------------------------------------------------------------------------------|----------|------------------------|--|--|--|--|--|--|--|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----------|----------|---------|------|------|------|------|-------|-------|-------|--------|---|--|------------|---------|--|------|------|------|------|-------|-------|-------|--------|---|--|------------|---------|--|------|------|------|------|--|-------|-------|--------|--|--|------------|---------|--|------|------|------|------|------|------|-------|--------|--|--|------------|--------|------------------------|
| Name <b>CAMIRANGA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |      |       | Sail Nr <b>BRA-2484</b>         |       |        |     |     | Inclining Test <b>Boom Inclining</b>                                                            |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| File <b>BRA2484.dxt</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |      |       | Data in <b>meters/kilograms</b> |       |        |     |     | Flotation date <b>18/11/2013</b> SG <b>1,0000</b>                                               |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>RIG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |      |       |                                 |       |        |     |     | FFM <b>1,987</b> FF <b>2,000</b> SFFP <b>0,631</b>                                              |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Forestay Tension <b>Aft</b> Spreaders <b>3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |       |                                 |       |        |     |     | FAM <b>1,409</b> FA <b>1,419</b> SAFF <b>20,092</b>                                             |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Inner Stay <b>None Fitted</b> Runners <b>1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |       |                                 |       |        |     |     | W1 <b>392,84</b> PD1 <b>362,9</b> WD <b>14,880</b>                                              |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Carbon Mast <b>Yes</b> Jumper Struts <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |       |                                 |       |        |     |     | W2 <b>392,84</b> PD2 <b>362,7</b> GSA <b>1,0</b>                                                |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Taper Hollows <b>No</b> Jib Furler <b>No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |      |       |                                 |       |        |     |     | W3 <b>392,84</b> PD3 <b>361,4</b> RSA <b>1,0</b>                                                |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Fiber Rigging <b>Yes</b> Main Furler <b>No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |       |                                 |       |        |     |     | W4 <b>392,84</b> PD4 <b>361,0</b> PLM <b>9000,0</b>                                             |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Lenticular Rigging <b>No</b> Without Backstay <b>No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |      |       |                                 |       |        |     |     | LCF from stem on CL / on sheer <b>11,532 / 11,887</b>                                           |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Articulated Bowsprit <b>No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |       |                                 |       |        |     |     | Maximum beam station from stem <b>15,161</b>                                                    |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| P <b>27,040</b> E <b>8,010</b> MDT1 <b>0,200</b> MW <b>0,334</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |       |                                 |       |        |     |     | RM Measured <b>1271,6kg-m</b>                                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| IG <b>26,700</b> J <b>8,705</b> MDL1 <b>0,425</b> GO <b>0,380</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |       |                                 |       |        |     |     | RM Default <b>821,0kg-m</b>                                                                     |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| ISP <b>29,893</b> SFJ <b>0,735</b> MDT2 <b>0,200</b> BD <b>0,395</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |      |       |                                 |       |        |     |     | Limit of positive stability / Stab.Index <b>105,3° / 110,2</b>                                  |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| BAS <b>2,148</b> SPL <b>0,000</b> MDL2 <b>0,253</b> MWT <b>560,00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |      |      |       |                                 |       |        |     |     | Freeboard at mast at 9,440 <b>1,736</b>                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| FSP <b>0,000</b> TPS <b>11,260</b> TL <b>5,640</b> MCG <b>9,500</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>MIZZEN RIG AND SAILS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |       |                                 |       |        |     |     | <b>PROPELLER</b>                                                                                |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |       |                                 |       |        |     |     | Installation <b>Strut</b> PRD <b>0,508</b>                                                      |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Type <b>Folding 2 blades</b> PBW <b>0,118</b>                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Twin Screw <b>No</b> PIPA <b>0,0042</b>                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | ST1 <b>0,065</b> ST3 <b>0,180</b> ST5 <b>0,350</b>                                              |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | ST2 <b>0,180</b> ST4 <b>0,110</b> EDL <b>2,980</b>                                              |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | <b>MOVEABLE BALLAST</b>                                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Keel Angle <b>40,0</b> Water Ballast Volume <b>1,200</b>                                        |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | List Angle <b>9,9</b> Water Ballast LCG <b>0,00</b>                                             |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Water Ballast VCG <b>0,00</b>                                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Water Ballast TCG <b>0,00</b>                                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | <b>BILGEBOARD</b>                                                                               |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | BS <b>2,913</b> BT <b>0,089</b> BA <b>6,0</b>                                                   |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | BF <b>0,000</b> BX <b>9,190</b>                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | BC <b>0,520</b> BY <b>1,650</b>                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>SAILS (Maximum Areas)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Mainsail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |      |       |                                 |       |        |     |     | Area Area (r) Formula                                                                           |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| MHB MUW MTW MHW MQW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |       |                                 |       |        |     |     | 159,79 163,65 $P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$ |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 3,210 3,78 4,84 6,18 7,13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Symmetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Not Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Asymmetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |      |       |                                 |       |        |     |     | AS $\cdot (SFL + 4 \cdot SHW) / 6$                                                              |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| SLU SLE SL SHW SFL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |       |                                 |       |        |     |     | 497,11                                                                                          |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 33,00 29,80 31,40 18,52 20,91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>HEADSAILS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Area = $0.1125 \cdot HLU \cdot (1.445 \cdot HLP + 2 \cdot HQW + 2 \cdot HHW + 1.5 \cdot HTW + HUW + 0.5 \cdot HHB)$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <table border="1"> <thead> <tr> <th>HHB</th> <th>HUW</th> <th>HTW</th> <th>HHW</th> <th>HQW</th> <th>HLP</th> <th>HLU</th> <th>Area</th> <th>Btn</th> <th>Fly</th> <th>Meas.Date</th> <th>Material</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>0,12</td> <td>2,52</td> <td>4,92</td> <td>9,68</td> <td>14,40</td> <td>19,15</td> <td>30,60</td> <td>295,34</td> <td>Y</td> <td></td> <td>05/12/2013</td> <td>Unknown</td> <td></td> </tr> <tr> <td>0,12</td> <td>2,14</td> <td>4,17</td> <td>8,28</td> <td>12,45</td> <td>16,80</td> <td>28,58</td> <td>238,54</td> <td>Y</td> <td></td> <td>05/12/2013</td> <td>Unknown</td> <td></td> </tr> <tr> <td>0,12</td> <td>2,10</td> <td>4,16</td> <td>8,26</td> <td></td> <td>16,76</td> <td>28,46</td> <td>238,01</td> <td></td> <td></td> <td>12/01/2016</td> <td>Unknown</td> <td></td> </tr> <tr> <td>0,15</td> <td>1,51</td> <td>2,74</td> <td>4,90</td> <td>7,00</td> <td>9,07</td> <td>27,46</td> <td>131,61</td> <td></td> <td></td> <td>05/12/2013</td> <td>Kevlar</td> <td>* Copied from legacy *</td> </tr> </tbody> </table> |      |      |      |       |                                 |       |        |     |     |                                                                                                 |          |                        |  |  |  |  |  |  |  | HHB | HUW | HTW | HHW | HQW | HLP | HLU | Area | Btn | Fly | Meas.Date | Material | Comment | 0,12 | 2,52 | 4,92 | 9,68 | 14,40 | 19,15 | 30,60 | 295,34 | Y |  | 05/12/2013 | Unknown |  | 0,12 | 2,14 | 4,17 | 8,28 | 12,45 | 16,80 | 28,58 | 238,54 | Y |  | 05/12/2013 | Unknown |  | 0,12 | 2,10 | 4,16 | 8,26 |  | 16,76 | 28,46 | 238,01 |  |  | 12/01/2016 | Unknown |  | 0,15 | 1,51 | 2,74 | 4,90 | 7,00 | 9,07 | 27,46 | 131,61 |  |  | 05/12/2013 | Kevlar | * Copied from legacy * |
| HHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HUW  | HTW  | HHW  | HQW   | HLP                             | HLU   | Area   | Btn | Fly | Meas.Date                                                                                       | Material | Comment                |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 0,12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2,52 | 4,92 | 9,68 | 14,40 | 19,15                           | 30,60 | 295,34 | Y   |     | 05/12/2013                                                                                      | Unknown  |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 0,12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2,14 | 4,17 | 8,28 | 12,45 | 16,80                           | 28,58 | 238,54 | Y   |     | 05/12/2013                                                                                      | Unknown  |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 0,12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2,10 | 4,16 | 8,26 |       | 16,76                           | 28,46 | 238,01 |     |     | 12/01/2016                                                                                      | Unknown  |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| 0,15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1,51 | 2,74 | 4,90 | 7,00  | 9,07                            | 27,46 | 131,61 |     |     | 05/12/2013                                                                                      | Kevlar   | * Copied from legacy * |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| <b>MEASUREMENT INVENTORY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |      |       |                                 |       |        |     |     | <b>MEASUREMENT INVENTORY</b>                                                                    |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Measurer <b>P. GUTIERREZ PG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Id Item Tank Use Tank Type Capcty Dist. VCG Condtn Description                                  |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Date <b>18/11/2013</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |      |       |                                 |       |        |     |     | E5 Tank AGUA INOX 193,0 11,70 -0,20 0-0                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |      |       |                                 |       |        |     |     | B5 Tank AGUA INOX 193,0 11,70 -0,20 0-0                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Id Item Weight Distance VCG Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |      |       |                                 |       |        |     |     | C3 Tank GAS OIL INOX 37,0 15,30 0,40 25-0                                                       |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Id Item Maker Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |       |                                 |       |        |     |     | E6 Tank GAS OIL INOX 262,0 11,00 0,10 148-0                                                     |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| C4 Engine VOLVO PENTA 40 HP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |       |                                 |       |        |     |     | B6 Tank GAS OIL INOX 262,0 11,00 0,10 143-0                                                     |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| C4 Engine VOLVO PENTA D2-75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |       |                                 |       |        |     |     | Id Item Weight Distance VCG Description                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
| Id Item Weight Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |      |      |       |                                 |       |        |     |     | <b>Water Ballast Tanks</b>                                                                      |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | Id Volume Distance VCG TCG Description                                                          |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |       |                                 |       |        |     |     | 1 1.200                                                                                         |          |                        |  |  |  |  |  |  |  |     |     |     |     |     |     |     |      |     |     |           |          |         |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |       |       |       |        |   |  |            |         |  |      |      |      |      |  |       |       |        |  |  |            |         |  |      |      |      |      |      |      |       |        |  |  |            |        |                        |





World Leader in Rating Technology

# 2016 Certificate Appendix Sail Plan



## SAILS INVENTORY

### MAINSAIL

| Id | MHB   | MUW  | MTW  | MHW  | MQW  | Area   | Measurer | Meas.Date  | Manufacture | Material | Comment              |
|----|-------|------|------|------|------|--------|----------|------------|-------------|----------|----------------------|
| M1 | 3,210 | 3,78 | 4,84 | 6,18 | 7,13 | 159,79 |          | 05/12/2013 | NORTH       | Kevlar   | * Copied from legacy |

### HEADSAILS

| Id   | HHB  | HUW  | HTW  | HHW  | HQW   | HLP   | HLU   | Ovrlp | Area   | Btn | Fly | Measurer | Meas.Date  | Manufacture | Material | Comment                |
|------|------|------|------|------|-------|-------|-------|-------|--------|-----|-----|----------|------------|-------------|----------|------------------------|
| MH0  | 0,12 | 2,52 | 4,92 | 9,68 | 14,40 | 19,15 | 30,60 | 220%  | 295,34 |     | Y   |          | 05/12/2013 | NORTH       | Unknown  |                        |
| FR0  | 0,12 | 2,14 | 4,17 | 8,28 | 12,45 | 16,80 | 28,58 | 193%  | 238,54 |     | Y   |          | 05/12/2013 | NORTH       | Unknown  |                        |
| FR02 | 0,12 | 2,10 | 4,16 | 8,26 |       | 16,76 | 28,46 | 193%  | 238,01 |     |     |          | 12/01/2016 | NORTH       | Unknown  |                        |
| J2   | 0,15 | 1,51 | 2,74 | 4,90 | 7,00  | 9,07  | 27,46 | 104%  | 131,61 |     |     |          | 05/12/2013 | NORTH       | Kevlar   | * Copied from legacy * |

### SYMMETRIC SPINNAKERS

| Id | SLU | SLE | SL | SHW | SFL | Area | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|-----|-----|----|-----|-----|------|----------|-----------|-------------|----------|---------|
|----|-----|-----|----|-----|-----|------|----------|-----------|-------------|----------|---------|

### ASYMMETRIC SPINNAKERS

| Id    | SLU   | SLE   | SL    | SHW   | SFL   | Area   | Kind | Measurer | Meas.Date  | Manufacture | Material | Comment |
|-------|-------|-------|-------|-------|-------|--------|------|----------|------------|-------------|----------|---------|
| A     | 33,00 | 29,80 | 31,40 | 18,52 | 20,91 | 497,11 | asym |          | 12/01/2016 | NORTH       | Nylon    |         |
| A 2.5 | 31,00 | 29,40 | 30,20 | 15,87 | 20,90 | 424,71 | asym |          | 05/12/2013 | NORTH       | Nylon    |         |