

<b>BOAT</b> Name <b>BOLD</b> Sail Nr <b>TUR-1040</b>	<b>GPH</b> <b>537.0</b>	<b>HULL</b> Length Overall <b>10.970m</b> Maximum Beam <b>3.464m</b> Displacement <b>3,650kg</b> Draft <b>2.587m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension IMSL <b>10.332m</b> VCGD <b>-0.577m</b> Sink <b>16.90kg/mm</b> RL <b>11.122m</b> VCGM <b>-0.574m</b> WS <b>22.87m<sup>2</sup></b> LSM0 <b>9.799m</b> Displacement/Length ratio <b>3.8792</b>
<b>GENERAL</b> Class <b>BOLT 37</b> Designer <b>JASON KER</b> Builder <b>CSC COMPOSITES</b> Series <b>01/2013</b> Age <b>01/2014</b> Age Allowance <b>0.195%</b> Offset File <b>BOLD_s17.off - 16/06/2017 16:06:54</b> Measurement by - <b>01/06/2016</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>522.5</b>			<b>587.4</b>		
Time on Time	<b>1.1484</b>			<b>1.1492</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>603.1</b>	<b>481.2</b>	<b>421.8</b>	<b>773.7</b>	<b>592.1</b>	<b>513.4</b>
Time on Time	<b>1.1192</b>	<b>1.4028</b>	<b>1.6003</b>	<b>0.8724</b>	<b>1.1401</b>	<b>1.3148</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>879.4</b>	<b>721.2</b>	<b>656.0</b>	<b>633.2</b>	<b>622.6</b>	<b>611.3</b>	<b>604.6</b>
52°	<b>579.7</b>	<b>494.8</b>	<b>468.5</b>	<b>457.4</b>	<b>450.9</b>	<b>447.3</b>	<b>435.0</b>
60°	<b>547.9</b>	<b>481.7</b>	<b>456.2</b>	<b>440.9</b>	<b>432.3</b>	<b>427.2</b>	<b>413.5</b>
75°	<b>525.0</b>	<b>472.9</b>	<b>443.7</b>	<b>418.5</b>	<b>403.3</b>	<b>395.0</b>	<b>386.0</b>
90°	<b>529.2</b>	<b>473.2</b>	<b>443.6</b>	<b>413.5</b>	<b>387.5</b>	<b>368.6</b>	<b>349.9</b>
110°	<b>523.8</b>	<b>459.8</b>	<b>426.4</b>	<b>406.5</b>	<b>386.2</b>	<b>365.5</b>	<b>325.9</b>
120°	<b>537.4</b>	<b>463.6</b>	<b>422.0</b>	<b>390.7</b>	<b>370.3</b>	<b>350.3</b>	<b>314.3</b>
135°	<b>603.6</b>	<b>488.7</b>	<b>446.0</b>	<b>405.4</b>	<b>365.5</b>	<b>327.0</b>	<b>280.5</b>
150°	<b>721.4</b>	<b>572.7</b>	<b>492.3</b>	<b>450.4</b>	<b>417.3</b>	<b>380.4</b>	<b>300.3</b>
Run VMG	<b>833.0</b>	<b>661.3</b>	<b>568.8</b>	<b>520.4</b>	<b>481.8</b>	<b>439.2</b>	<b>346.7</b>

**Certificate**  
Number **072/19**  
ORC Ref **TUR10026062**  
Issued On **30/07/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default 669kg  
Maximum **710kg**  
Minimum\* **533kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>551.0</b>	<b>1.0889</b>
Double H.OSN	<b>539.2</b>	<b>1.1128</b>
Non Spin GPH	<b>578.5</b>	<b>1.0372</b>
Non Spin OSN	<b>564.2</b>	<b>1.0634</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>856.2</b>	<b>691.2</b>	<b>612.4</b>	<b>576.8</b>	<b>552.2</b>	<b>525.3</b>	<b>475.7</b>
Circular Random	<b>729.3</b>	<b>594.0</b>	<b>522.3</b>	<b>480.0</b>	<b>451.8</b>	<b>430.3</b>	<b>395.8</b>
Coastal / Long Distance	<b>853.9</b>	<b>652.6</b>	<b>556.3</b>	<b>501.7</b>	<b>467.4</b>	<b>434.0</b>	<b>377.1</b>
Non Spinnaker	<b>804.3</b>	<b>646.9</b>	<b>561.4</b>	<b>510.2</b>	<b>476.9</b>	<b>453.3</b>	<b>420.0</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.0°</b>	<b>40.6°</b>	<b>37.9°</b>	<b>36.6°</b>	<b>36.0°</b>	<b>35.3°</b>	<b>35.4°</b>
Beat VMG	<b>4.09</b>	<b>4.99</b>	<b>5.49</b>	<b>5.69</b>	<b>5.78</b>	<b>5.89</b>	<b>5.95</b>
52°	<b>6.21</b>	<b>7.28</b>	<b>7.68</b>	<b>7.87</b>	<b>7.98</b>	<b>8.05</b>	<b>8.28</b>
60°	<b>6.57</b>	<b>7.47</b>	<b>7.89</b>	<b>8.16</b>	<b>8.33</b>	<b>8.43</b>	<b>8.71</b>
75°	<b>6.86</b>	<b>7.61</b>	<b>8.11</b>	<b>8.60</b>	<b>8.93</b>	<b>9.11</b>	<b>9.33</b>
90°	<b>6.80</b>	<b>7.61</b>	<b>8.12</b>	<b>8.71</b>	<b>9.29</b>	<b>9.77</b>	<b>10.29</b>
110°	<b>6.87</b>	<b>7.83</b>	<b>8.44</b>	<b>8.86</b>	<b>9.32</b>	<b>9.85</b>	<b>11.04</b>
120°	<b>6.70</b>	<b>7.76</b>	<b>8.53</b>	<b>9.22</b>	<b>9.72</b>	<b>10.28</b>	<b>11.46</b>
135°	<b>5.96</b>	<b>7.37</b>	<b>8.07</b>	<b>8.88</b>	<b>9.85</b>	<b>11.01</b>	<b>12.83</b>
150°	<b>4.99</b>	<b>6.29</b>	<b>7.31</b>	<b>7.99</b>	<b>8.63</b>	<b>9.46</b>	<b>11.99</b>
Run VMG	<b>4.32</b>	<b>5.44</b>	<b>6.33</b>	<b>6.92</b>	<b>7.47</b>	<b>8.20</b>	<b>10.38</b>
Gybe Angles	<b>142.3°</b>	<b>144.4°</b>	<b>150.3°</b>	<b>151.6°</b>	<b>148.3°</b>	<b>145.4°</b>	<b>143.5°</b>

**Class Division Length**  
CDL = **10.728**

**Storm Sails Areas**  
Heavy Weather Jib **29.67**  
Storm Jib (JL=9.64) **10.99**  
Storm Trysail **12.75**

**Owner**

<b>BOAT</b>	
Name <b>BOLD</b>	Sail Nr <b>TUR-1040</b>
File <b>TUR1040</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Stay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>Yes</b>	Jumper Struts <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>No</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>
Articulated Bowsprit <b>No</b>	
P <b>15.250</b>	E <b>4.777</b> MDT1 <b>0.125</b> MW <b>0.170</b>
IG <b>14.695</b>	J <b>4.350</b> MDL1 <b>0.192</b> GO <b>0.208</b>
ISP <b>17.001</b>	SFJ <b>0.000</b> MDT2 <b>0.100</b> BD <b>0.265</b>
BAS <b>1.507</b>	SPL MDL2 <b>0.120</b> MWT
FSP <b>0.070</b>	TPS <b>5.865</b> TL <b>1.829</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>19/05/2017</b>		SG <b>1.0282</b>	
FFM <b>1.129</b>	FF <b>1.127</b>	SFFP <b>0.500</b>	
FAM <b>0.857</b>	FA <b>0.859</b>	SAFP <b>10.912</b>	
W1 <b>78.4</b>	PD1 <b>527.4</b>	WD <b>9.760</b>	
W2 <b>78.4</b>	PD2 <b>528.4</b>	GSA <b>1.0</b>	
W3 <b>78.4</b>	PD3 <b>527.3</b>	RSA <b>1.0</b>	
W4 <b>78.4</b>	PD4 <b>527.4</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>5.849 / 6.076</b>	
Maximum beam station from stem		<b>7.590</b>	
RM Measured		<b>114.2kg-m</b>	
RM Default		<b>103.8kg-m</b>	
Limit of positive stability / Stab.Index		<b>136.7° / 132.0</b>	
Freeboard at mast at 4.350		<b>1.041</b>	



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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.400</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.102</b>		
Twin Screw <b>No</b>	PIPA <b>0.0033</b>		
ST1 <b>0.040</b>	ST3 <b>0.180</b>	ST5 <b>0.234</b>	
ST2 <b>0.180</b>	ST4 <b>0.110</b>	EDL <b>1.155</b>	

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.890	1.62	2.28	3.26	4.06	47.47	48.54	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	18.65	16.10	17.38	10.02	9.85	144.59			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.16	0.68	1.21	2.24	3.33	4.47	14.08	31.96	Y		28/07/2019	Carbon	
0.17	0.71	1.24	2.25	3.30	4.50	14.01	31.93	Y		28/07/2019	Carbon	
0.12	0.63	1.19	2.19	3.25	4.30	14.33	31.55			31/05/2016	Unknow	
0.11	0.61	1.12	2.05	3.06	4.08	13.35	27.73			31/05/2016	Unknow	
0.06	0.60	1.13	2.06	2.72	3.24	13.70	25.54	Y		31/05/2016	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE7,116</b>				
Date <b>19/05/2017</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

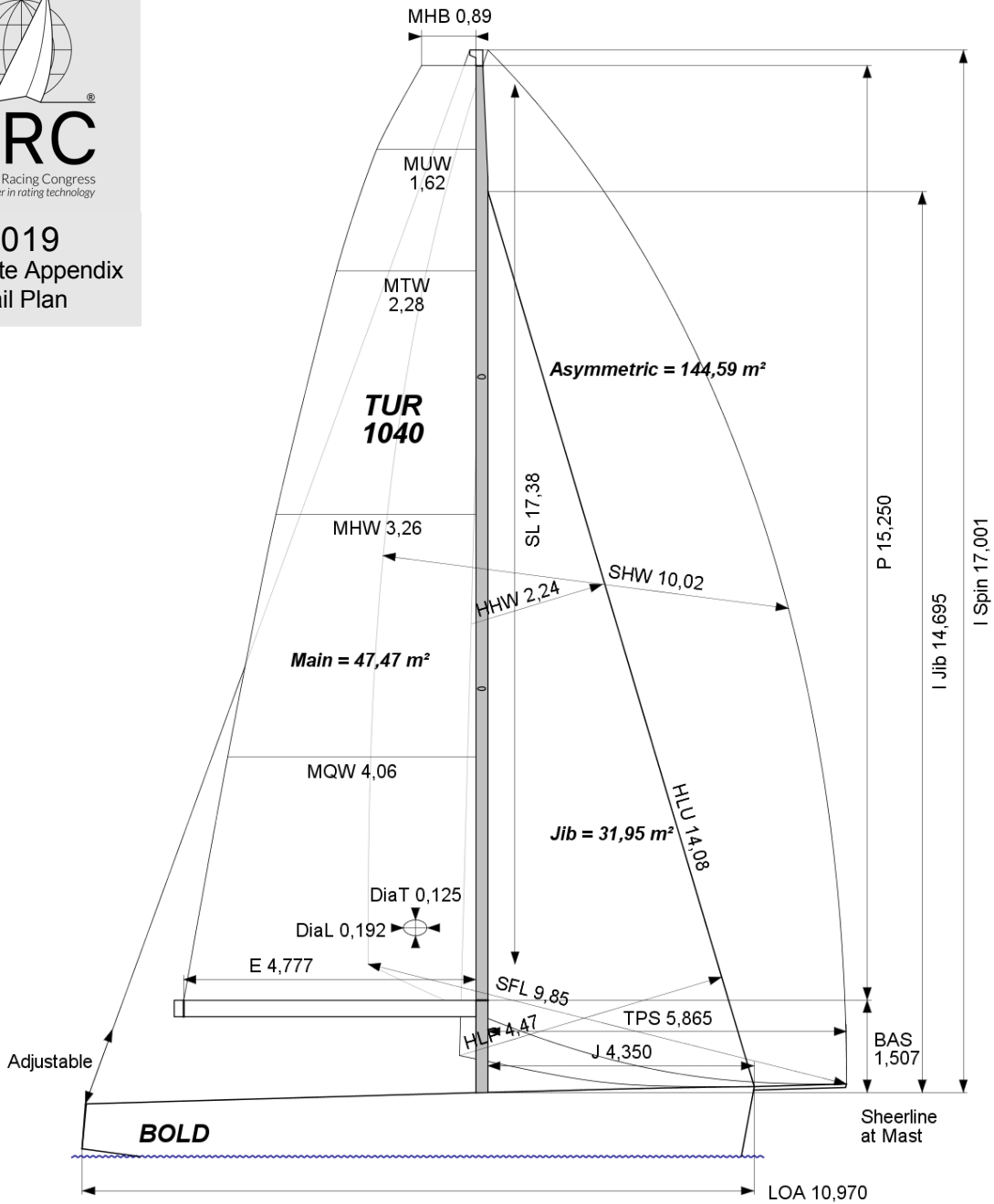
<b>MEASUREMENT INVENTORY</b>								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank FUEL		PVC hard	20.0	7.55	0.00	<del>0-0</del>	
2	Tank WATER		BAG	20.0	4.35	0.00	<del>0-0</del>	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Battery	15.0	7.05	-0.15 BATTERY 80 Ah				
2	Battery	15.0	6.70	-0.15 BATTERY 95 Ah				



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**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
MN3	0.89	1.62	2.28	3.26	4.06	47.47		28/07/2019		Carbon	
1	0.96	1.48	2.13	3.23	4.06	46.73		31/05/2016	ELVSTROM	Unknown	

**HEADSAILS (5)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J2N	0.16	0.68	1.21	2.24	3.33	4.47	14.08	103%	31.96	Y			28/07/2019		Carbon	
J1N	0.17	0.71	1.24	2.25	3.30	4.50	14.01	103%	31.93	Y			28/07/2019		Carbon	
C3	0.12	0.63	1.19	2.19	3.25	4.30	14.33	99%	31.55				31/05/2016	ELVSTROM	Unknown	
C4	0.11	0.61	1.12	2.05	3.06	4.08	13.35	94%	27.73				31/05/2016	ELVSTROM	Unknown	
StayS	0.06	0.60	1.13	2.06	2.72	3.24	13.70	74%	25.54		Y		31/05/2016	NORTH	Unknown	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (5)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2A	18.65	16.10	17.38	10.02	9.85	144.59	asym		31/05/2016	NORTH	Unknown	
A1.5A	18.63	16.37	17.50	9.93	9.20	142.69	asym		30/06/2016	North Sails	Unknown	
CA3	18.60	16.03	17.32	9.35	9.60	135.64	asym		31/05/2016	ELVSTROM	Unknown	
CA5	18.16	15.84	17.00	7.84	9.53	115.86	asym		31/05/2016	ELVSTROM	Unknown	
A0	17.56	17.40	17.48	7.26	9.57	112.49	asym		06/06/2017	NORTH	Nylon	