

<b>BOAT</b> Name <b>SOKRATIS P.</b> Sail Nr <b>GRE-1040</b>	<b>GPH</b> <b>724.8</b>	<b>HULL</b> Length Overall <b>9.250m</b> Maximum Beam <b>3.144m</b> Displacement <b>3,638kg</b> Draft <b>1.725m</b> Plan Review IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.308%</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension IMSL <b>8.062m</b> VCGD <b>0.028m</b> Sink <b>14.12kg/mm</b> RL <b>5.953m</b> VCGM <b>0.138m</b> WS <b>18.41m<sup>2</sup></b> LSM0 <b>7.851m</b> Displacement/Length ratio <b>7.5177</b>
<b>GENERAL</b> Class <b>GIB SEA 920</b> Designer <b>J.FAUROUX</b> Builder <b>GIBERT MARINE</b> Series <b>01/1986</b> Age <b>01/1987</b> Age Allowance <b>0.487%</b> Offset File <b>GIBSEA92.OFF - 27/06/2006 06:23:00</b> Measurement by - <b>12/04/2005</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>701.8</b>			<b>781.2</b>		
Time on Time	<b>0.8550</b>			<b>0.8640</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>842.8</b>	<b>639.4</b>	<b>561.4</b>	<b>1088.0</b>	<b>790.5</b>	<b>669.4</b>
Time on Time	<b>0.8009</b>	<b>1.0556</b>	<b>1.2023</b>	<b>0.6204</b>	<b>0.8539</b>	<b>1.0083</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1297.6</b>	<b>1071.3</b>	<b>950.6</b>	<b>865.5</b>	<b>808.5</b>	<b>787.8</b>	<b>793.3</b>
52°	<b>843.9</b>	<b>707.8</b>	<b>631.5</b>	<b>588.9</b>	<b>566.5</b>	<b>555.5</b>	<b>552.4</b>
60°	<b>798.1</b>	<b>673.0</b>	<b>604.0</b>	<b>571.7</b>	<b>553.0</b>	<b>541.2</b>	<b>534.3</b>
75°	<b>768.5</b>	<b>649.1</b>	<b>585.4</b>	<b>558.1</b>	<b>540.7</b>	<b>526.1</b>	<b>505.7</b>
90°	<b>741.2</b>	<b>613.5</b>	<b>558.7</b>	<b>535.4</b>	<b>524.8</b>	<b>516.8</b>	<b>490.4</b>
110°	<b>723.4</b>	<b>598.1</b>	<b>549.7</b>	<b>522.5</b>	<b>498.3</b>	<b>479.0</b>	<b>459.4</b>
120°	<b>743.6</b>	<b>611.2</b>	<b>555.1</b>	<b>526.3</b>	<b>500.3</b>	<b>475.7</b>	<b>440.6</b>
135°	<b>813.9</b>	<b>666.3</b>	<b>579.3</b>	<b>543.3</b>	<b>517.7</b>	<b>492.0</b>	<b>445.6</b>
150°	<b>957.6</b>	<b>760.0</b>	<b>643.7</b>	<b>574.5</b>	<b>542.9</b>	<b>519.3</b>	<b>472.9</b>
Run VMG	<b>1105.7</b>	<b>877.3</b>	<b>741.9</b>	<b>650.3</b>	<b>588.1</b>	<b>552.2</b>	<b>505.9</b>

**Certificate**  
Number **00523**  
ORC Ref **03420000L00**  
Issued On **30/06/2020**  
VPP Ver. **2020 1.02**  
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**Crew Weight**  
Default **488kg**  
Maximum **500kg**  
Minimum\* **375kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>773.9</b>	<b>0.7753</b>
Non Spin OSN	<b>744.9</b>	<b>0.8054</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1201.7</b>	<b>974.3</b>	<b>846.3</b>	<b>757.9</b>	<b>698.3</b>	<b>670.0</b>	<b>649.6</b>
Circular Random	<b>1009.0</b>	<b>810.7</b>	<b>702.8</b>	<b>638.9</b>	<b>599.3</b>	<b>573.9</b>	<b>545.1</b>
Coastal / Long Distance	<b>1192.1</b>	<b>912.3</b>	<b>758.9</b>	<b>661.6</b>	<b>607.0</b>	<b>571.6</b>	<b>519.0</b>
Non Spinnaker	<b>1098.5</b>	<b>873.7</b>	<b>749.1</b>	<b>674.0</b>	<b>627.0</b>	<b>597.0</b>	<b>564.5</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</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>44.1°</b>	<b>42.8°</b>	<b>41.6°</b>	<b>41.6°</b>	<b>39.8°</b>	<b>39.4°</b>	<b>39.8°</b>
Beat VMG	<b>2.77</b>	<b>3.36</b>	<b>3.79</b>	<b>4.16</b>	<b>4.45</b>	<b>4.57</b>	<b>4.54</b>
52°	<b>4.27</b>	<b>5.09</b>	<b>5.70</b>	<b>6.11</b>	<b>6.35</b>	<b>6.48</b>	<b>6.52</b>
60°	<b>4.51</b>	<b>5.35</b>	<b>5.96</b>	<b>6.30</b>	<b>6.51</b>	<b>6.65</b>	<b>6.74</b>
75°	<b>4.68</b>	<b>5.55</b>	<b>6.15</b>	<b>6.45</b>	<b>6.66</b>	<b>6.84</b>	<b>7.12</b>
90°	<b>4.86</b>	<b>5.87</b>	<b>6.44</b>	<b>6.72</b>	<b>6.86</b>	<b>6.97</b>	<b>7.34</b>
110°	<b>4.98</b>	<b>6.02</b>	<b>6.55</b>	<b>6.89</b>	<b>7.22</b>	<b>7.52</b>	<b>7.84</b>
120°	<b>4.84</b>	<b>5.89</b>	<b>6.49</b>	<b>6.84</b>	<b>7.20</b>	<b>7.57</b>	<b>8.17</b>
135°	<b>4.42</b>	<b>5.40</b>	<b>6.21</b>	<b>6.63</b>	<b>6.95</b>	<b>7.32</b>	<b>8.08</b>
150°	<b>3.76</b>	<b>4.74</b>	<b>5.59</b>	<b>6.27</b>	<b>6.63</b>	<b>6.93</b>	<b>7.61</b>
Run VMG	<b>3.26</b>	<b>4.10</b>	<b>4.85</b>	<b>5.54</b>	<b>6.12</b>	<b>6.52</b>	<b>7.12</b>
Gybe Angles	<b>147.0°</b>	<b>151.0°</b>	<b>151.5°</b>	<b>159.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **7.002**

**Storm Sails Areas**

Heavy Weather Jib	<b>19.22</b>
Storm Jib (JL=7.76)	<b>7.12</b>
Storm Trysail	<b>5.75</b>

**Owner**

<b>BOAT</b>	
Name <b>SOKRATIS P.</b> File <b>GR1040</b>	Sail Nr <b>GRE-1040</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/Checkstays <b>0</b>
Carbon Mast <b>No</b>	Jib Furler <b>No</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Non-Circular Rigging <b>No</b>	
Articulated Bowsprit <b>No</b>	
P <b>10.070</b>	E <b>3.260</b> MDT1 <b>0.100</b> MW <b>0.155</b>
IG <b>11.800</b>	J <b>3.675</b> MDL1 <b>0.155</b> GO <b>0.195</b>
ISP <b>11.585</b>	SFJ <b>0.000</b> MDT2 <b>0.100</b> BD <b></b>
BAS <b>1.405</b>	SPL <b>3.590</b> MDL2 <b>0.155</b> MWT <b>65.50</b>
FSD <b>0.000</b>	TPS <b></b> TL <b>0.000</b> MCG <b>4.250</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>15/04/2017</b>		SG <b>1.0270</b>	
FFM <b>1.155</b>	FF <b>1.154</b>	SFFP <b>0.517</b>	
FAM <b>0.892</b>	FA <b>0.892</b>	SAFP <b>8.432</b>	
W1 <b>54.6</b>	PD1 <b>268.0</b>	WD <b>9.840</b>	
W2 <b>54.6</b>	PD2 <b>266.0</b>	GSA <b>8.0</b>	
W3 <b>54.6</b>	PD3 <b>266.0</b>	RSA <b>86.0</b>	
W4 <b>54.6</b>	PD4 <b>267.0</b>	PLM <b>2100.0</b>	
LCF from stem on CL / on sheer		<b>5.151 / 5.382</b>	
Maximum beam station from stem		<b>5.450</b>	
RM Measured		<b>67.7kg-m</b>	
RM Default		<b>68.9kg-m</b>	
Limit of positive stability / Stab.Index		<b>108.9° / 107.3</b>	
Freeboard at mast at 3.675		<b>1.017</b>	



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

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.370</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.120</b>		
Twin Screw <b>No</b>	PIPA <b>0.0045</b>		
PSA <b>25.000</b>	PHL <b>0.115</b>	ST3 <b>0.081</b>	ESL <b>0.910</b>
PSD <b>0.025</b>	ST1 <b>0.014</b>	ST4 <b>0.049</b>	
PHD <b>0.050</b>	ST2 <b>0.066</b>	ST5 <b>0.205</b>	

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<b>COMMENTS</b>

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

<b>CENTERBOARD</b>
N/A

<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.12	0.69	1.23	2.10	2.77	19.63	19.98	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	11.80	11.80	11.80	6.58	6.19	63.94		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b> Not Available									

<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>Flying</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.05	0.48	0.91	1.67	2.53	3.34	11.58	19.67	No	06/05/2008	Dacron		
0.04	0.34	0.65	1.36	2.13	3.00	11.12	15.83	No	06/05/2008	Dacron		
0.04	0.34	0.68	1.39	2.15	2.96	10.84	15.54	No	30/06/2020	Dacron		

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE28/GRE27</b>				
Date <b>15/04/2017</b>				
Comment				
<b>Internal Ballast total = 0.0</b>				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	VOLVO PENTA	2002 R	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

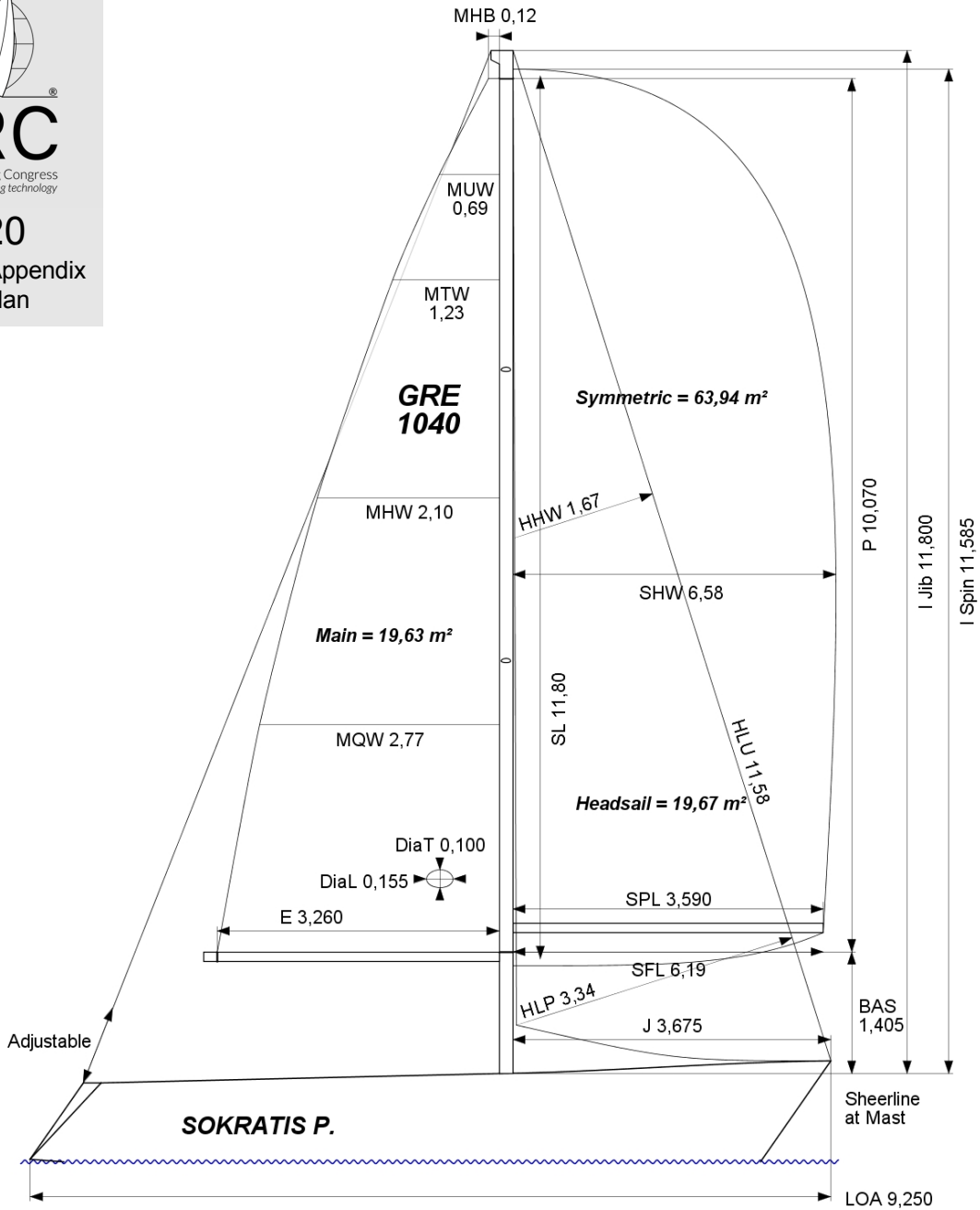
<b>MEASUREMENT INVENTORY</b>								
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>
2	Tank	FUEL	inox	55.0	6.80	-0.10	0-0	
1	Tank	WATER	inox	150.0	4.37	-0.10	0-0	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>				
2	Battery	20.0	7.10	-0.10 80 Ah				
1	Battery	15.0	6.85	-0.10 45 Ah				
3	Battery	30.0	3.67	-0.10 120Ah - weight estimated				
4	Battery	25.0	3.67	-0.10 100Ah - weight estimated				
2	Misc	30.0	9.20	0.70 SWIMMING PLATFORM				
1	Misc	10.0	8.80	1.70 BIMINI				



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.12	0.69	1.23	2.10	2.77	19.64		29/06/2020		Unknown	MATERIAL PBX					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.48	0.91	1.67	2.53	3.34	11.58	91%	19.67	No	No		06/05/2008	KAKITSIS	Dacron	
2	0.04	0.34	0.65	1.36	2.13	3.00	11.12	82%	15.83	No	No		06/05/2008	UNKNOWN	Dacron	
4	0.04	0.34	0.68	1.39	2.15	2.96	10.84	81%	15.54	No	No		30/06/2020		Dacron	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	11.80	11.80	11.80	6.58	6.19	63.94		30/06/2020		Unknown						
3	9.99	9.99	9.99	6.42	6.16	53.02		18/04/2014		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				