

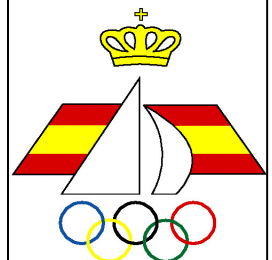


World Leader in Rating Technology

2016  
ORC Club  
Certificate

Oficina de Rating

R.F.E.V.  
Luis de salazar,9  
28002 Madrid



Certificado

Número 300901  
Emitido el 26/02/2016  
ORC Ref ESP00016331  
VPP ver. 2016 1.00  
Válido 31/12/2016

Peso de tripulación

Declarado 320kg  
Defecto\* 686kg  
Non Manual Pwr No

Special Scoring

	ToD	ToT
Double H.GPH	741,1	0,8096
Double H.OSN	716,3	0,8377
Non Spin GPH	779,7	0,7695
Non Spin OSN	746,5	0,8038
N/S Perf. Line	5,5	0,558

Limitaciones en velas

Headsails 1 Spinnakers 3  
V.de Dacron

Configuración de spinnaker

Symmetric: No  
Asimétrico Sí 70,20  
Flying H/S: No  
Spin. Pole: No

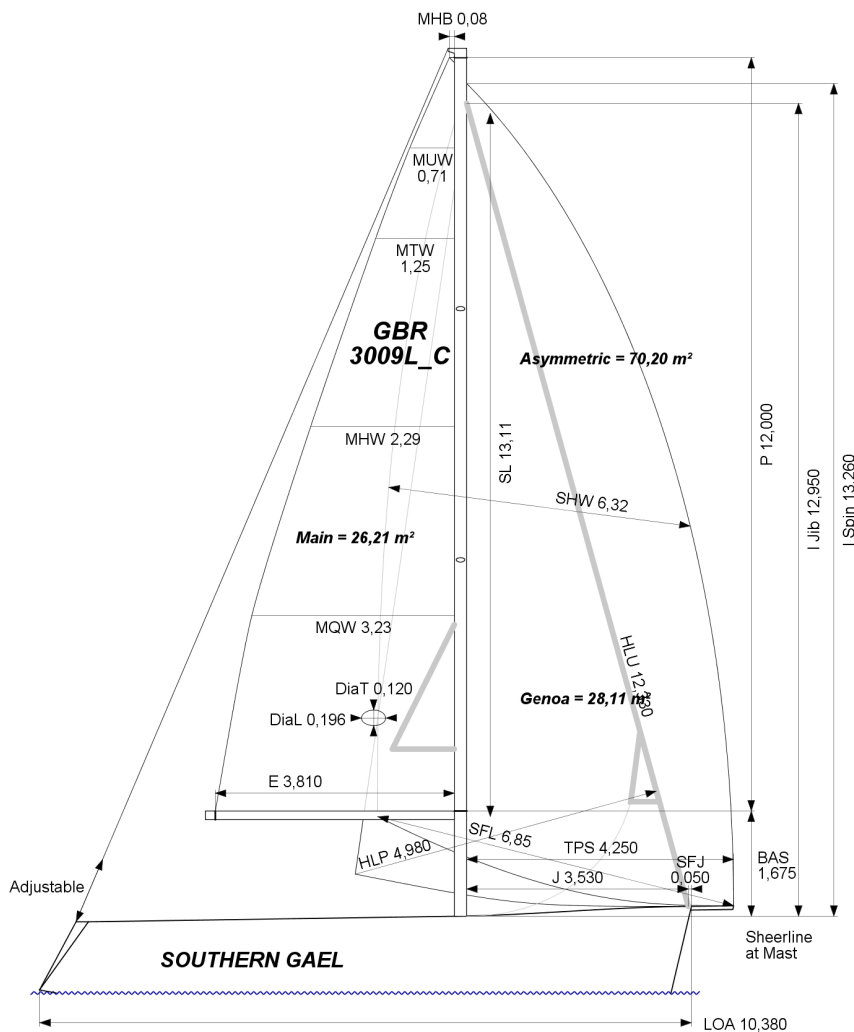
Class Division Length

CDL = 7,858

Stability

LPS (Estimated): 122,5°  
Stability Index: 129,4  
OSR Category: N/A

Armador



BARCO	GPH	CASCO
Nombre <b>SOUTHERN GAEL</b> Nº de <b>GBR-3009L_C</b>	<b>739,7</b>	Data File <b>GBR3009L_C.dx</b> LOA <b>10,380m</b> Fichero de <b>OCE343CL.OFF</b> MangaM <b>3,472m</b> Desplazam. <b>8.040kg</b> Calado <b>2,007m</b>
<b>CLASE</b> Clase <b>OCEANIS 343CL</b> Diseñador <b>FINOT</b> Astillero <b>BENETEAU</b> Serie <b>01/2006</b> Fecha de botadura <b>01/2007</b> Compensación edad <b>0,325%</b>		IMS Division <b>Crucero/Regat</b> Dynamic All. <b>0,558%</b> Fwd Accom. <b>Sí</b> Construction <b>Solido</b> Jarcia PBO <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Timón carbono <b>No</b> Light Stanchions
<b>COMMENTS</b>		IMSL <b>9,903m</b> VCGD <b>0,064m</b> Sink <b>19,61kg/mm</b> RL <b>5,811m</b> VCGM <b>0,045m</b> WS <b>28,19m²</b> LSM0 <b>9,981m</b> Displacement/Length ratio <b>8,0860</b>
<b>PROPULSOR</b> Instalación <b>Strut</b> PRD <b>0,410</b> Tipo <b>Fija 3 palas</b> Área <b>0,0206</b>		Water Ballast <b>0</b> Trim Tab <b>No</b>
		<b>CENTERBOARD</b> N/A

OPCIONES DE CLASIFICACIÓN	OFFSHORE COSTERA / LARGA DISTANCIA			INSHORE Barlovento / Sotavento		
	Tiempo sobre Distan.	<b>714,5</b>			<b>810,7</b>	
Tiempo sobre Tiempo	<b>0,8397</b>			<b>0,8326</b>		
Performance Line	PLT <b>0,745</b>	PLD <b>93,6</b>		PLT <b>0,606</b>	PLD <b>118,8</b>	
Triple número	Flojo <b>0,7625</b>	Medio <b>1,0436</b>	Fuerte <b>1,2201</b>	Flojo <b>0,5845</b>	Medio <b>0,8182</b>	Fuerte <b>0,9976</b>



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# 2016

## ORC Club Certificate Appendix

### BARCO

Nombre **SOUTHERN GAEL** N° de certificado **300901**  
 N° de vela **GBR-3009L\_C** Emitido el **26/02/2016**

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1384,5</b>	<b>1106,0</b>	<b>964,0</b>	<b>876,0</b>	<b>814,5</b>	<b>776,3</b>	<b>751,4</b>
52°	<b>884,8</b>	<b>722,5</b>	<b>638,1</b>	<b>577,4</b>	<b>540,6</b>	<b>522,6</b>	<b>511,9</b>
60°	<b>823,0</b>	<b>682,5</b>	<b>602,6</b>	<b>547,2</b>	<b>519,8</b>	<b>505,9</b>	<b>495,0</b>
75°	<b>775,6</b>	<b>650,5</b>	<b>572,2</b>	<b>526,9</b>	<b>505,3</b>	<b>492,3</b>	<b>475,5</b>
90°	<b>763,5</b>	<b>628,7</b>	<b>545,7</b>	<b>509,2</b>	<b>498,4</b>	<b>492,4</b>	<b>472,0</b>
110°	<b>756,8</b>	<b>624,7</b>	<b>542,9</b>	<b>506,2</b>	<b>486,4</b>	<b>470,6</b>	<b>453,7</b>
120°	<b>787,1</b>	<b>645,5</b>	<b>557,3</b>	<b>513,0</b>	<b>491,3</b>	<b>474,4</b>	<b>441,5</b>
135°	<b>880,1</b>	<b>703,1</b>	<b>604,7</b>	<b>538,3</b>	<b>506,0</b>	<b>487,3</b>	<b>456,1</b>
150°	<b>1035,2</b>	<b>808,3</b>	<b>690,9</b>	<b>611,8</b>	<b>559,7</b>	<b>526,0</b>	<b>490,1</b>
Run VMG	<b>1195,3</b>	<b>933,3</b>	<b>797,7</b>	<b>706,5</b>	<b>646,3</b>	<b>591,2</b>	<b>516,0</b>

### Selected Courses

Windward / Leeward	<b>1289,9</b>	<b>1019,7</b>	<b>880,9</b>	<b>791,2</b>	<b>730,4</b>	<b>683,7</b>	<b>633,7</b>
Circular Random	<b>1053,0</b>	<b>836,0</b>	<b>715,8</b>	<b>643,4</b>	<b>597,5</b>	<b>567,3</b>	<b>531,4</b>
Ocean for PCS	<b>1033,0</b>	<b>810,0</b>	<b>685,0</b>	<b>608,9</b>	<b>560,5</b>	<b>528,2</b>	<b>484,8</b>
Non Spinnaker	<b>1130,4</b>	<b>889,2</b>	<b>753,5</b>	<b>670,2</b>	<b>616,4</b>	<b>580,9</b>	<b>540,0</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>45,1°</b>	<b>43,3°</b>	<b>41,8°</b>	<b>41,4°</b>	<b>42,2°</b>	<b>42,4°</b>	<b>41,4°</b>
Beat VMG	<b>2,60</b>	<b>3,25</b>	<b>3,73</b>	<b>4,11</b>	<b>4,42</b>	<b>4,64</b>	<b>4,79</b>
52°	<b>4,07</b>	<b>4,98</b>	<b>5,64</b>	<b>6,23</b>	<b>6,66</b>	<b>6,89</b>	<b>7,03</b>
60°	<b>4,37</b>	<b>5,27</b>	<b>5,97</b>	<b>6,58</b>	<b>6,93</b>	<b>7,12</b>	<b>7,27</b>
75°	<b>4,64</b>	<b>5,53</b>	<b>6,29</b>	<b>6,83</b>	<b>7,12</b>	<b>7,31</b>	<b>7,57</b>
90°	<b>4,72</b>	<b>5,73</b>	<b>6,60</b>	<b>7,07</b>	<b>7,22</b>	<b>7,31</b>	<b>7,63</b>
110°	<b>4,76</b>	<b>5,76</b>	<b>6,63</b>	<b>7,11</b>	<b>7,40</b>	<b>7,65</b>	<b>7,94</b>
120°	<b>4,57</b>	<b>5,58</b>	<b>6,46</b>	<b>7,02</b>	<b>7,33</b>	<b>7,59</b>	<b>8,15</b>
135°	<b>4,09</b>	<b>5,12</b>	<b>5,95</b>	<b>6,69</b>	<b>7,11</b>	<b>7,39</b>	<b>7,89</b>
150°	<b>3,48</b>	<b>4,45</b>	<b>5,21</b>	<b>5,88</b>	<b>6,43</b>	<b>6,84</b>	<b>7,35</b>
Run VMG	<b>3,01</b>	<b>3,86</b>	<b>4,51</b>	<b>5,10</b>	<b>5,57</b>	<b>6,09</b>	<b>6,98</b>
Gybe Angles	<b>144,8°</b>	<b>145,7°</b>	<b>145,8°</b>	<b>144,9°</b>	<b>146,9°</b>	<b>175,1°</b>	<b>178,0°</b>