

<b>BOAT</b>
Name <b>COUNTERPOINT</b> Sail Nr <b>PER 31414</b>

<b>GPH</b>
<b>610.0</b>

<b>HULL</b>	Length Overall	<b>12.910 m</b>
	Maximum Beam	<b>4.048 m</b>
	Displacement	<b>9,845 kg</b>
	Draft	<b>2.372 m</b>
	IMS Reg. Division	<b>Cruiser/Racer</b>
	Dynamic Allowance	<b>0.363%</b>
	Fwd Accommodation	<b>Yes</b>
	Hull Construction	<b>Solid</b>
	Carbon Rudder	<b>No</b>
	Trim Tab	<b>No</b>
	IMS L	<b>10.551</b>
	VCGD	<b>0.039</b>
	VCGM	<b>-0.023</b>
	Sink	<b>23.83 kg/mm</b>
	Wetted Area	<b>35.43 m<sup>2</sup></b>



**2010**  
ORC International  
Certificate

<b>GENERAL</b>
Class <b>Serendipity 43</b>
Designer <b>Doug Peterson</b>
Builder <b>New Orleans Marine</b>
Series <b>01/1981</b>
Age <b>01/1981</b>
Age Allowance <b>0.975%</b>
Offset File <b>counterp.off - 16/05/1991 08:18:12</b>
Measurement by <b>G.Liza/L.Yarlaque - 23/03/2010</b>

<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	<b>610.0</b>			<b>682.2</b>		
Time On Time	<b>0.9836</b>			<b>0.9894</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.895</b>	<b>124.1</b>		<b>1.071</b>	<b>321.7</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.9695</b>	<b>1.2478</b>	<b>1.3937</b>	<b>0.7373</b>	<b>1.0068</b>	<b>1.1648</b>

**Rating Office**

Roberto Peschiera  
peschiera56@gmail.com  
Asociación de Veleros  
Oceánicos del Peru

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1028.6</b>	<b>839.7</b>	<b>751.7</b>	<b>708.7</b>	<b>682.9</b>	<b>666.7</b>	<b>665.5</b>
52°	<b>657.7</b>	<b>549.3</b>	<b>510.3</b>	<b>492.4</b>	<b>482.0</b>	<b>475.2</b>	<b>470.3</b>
60°	<b>610.1</b>	<b>526.4</b>	<b>492.5</b>	<b>475.9</b>	<b>466.5</b>	<b>460.1</b>	<b>453.3</b>
75°	<b>573.5</b>	<b>510.0</b>	<b>479.0</b>	<b>459.2</b>	<b>446.6</b>	<b>439.7</b>	<b>431.3</b>
90°	<b>578.4</b>	<b>502.8</b>	<b>470.3</b>	<b>454.2</b>	<b>443.7</b>	<b>430.7</b>	<b>416.6</b>
110°	<b>588.7</b>	<b>510.7</b>	<b>474.3</b>	<b>449.4</b>	<b>431.0</b>	<b>419.5</b>	<b>407.1</b>
120°	<b>628.6</b>	<b>527.5</b>	<b>484.9</b>	<b>456.9</b>	<b>434.7</b>	<b>417.1</b>	<b>395.2</b>
135°	<b>726.0</b>	<b>577.0</b>	<b>513.6</b>	<b>478.8</b>	<b>453.7</b>	<b>432.5</b>	<b>398.3</b>
150°	<b>870.1</b>	<b>683.4</b>	<b>571.8</b>	<b>515.8</b>	<b>482.4</b>	<b>458.1</b>	<b>419.6</b>
Run VMG	<b>1004.7</b>	<b>789.1</b>	<b>660.3</b>	<b>583.2</b>	<b>532.2</b>	<b>497.2</b>	<b>451.1</b>

<b>Certificate</b>	
Number	
ORC Ref	<b>PER00000331</b>
Issued On	<b>03/07/2010</b>
VPP Ver.	<b>2010 1.11</b>
Valid until	<b>31/03/2011</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1035.3</b>	<b>828.1</b>	<b>717.4</b>	<b>654.3</b>	<b>614.8</b>	<b>588.7</b>	<b>564.6</b>
Circular Random	<b>838.2</b>	<b>677.4</b>	<b>591.9</b>	<b>542.6</b>	<b>512.6</b>	<b>493.4</b>	<b>471.1</b>
Ocean for PCS	<b>896.2</b>	<b>708.8</b>	<b>605.4</b>	<b>542.9</b>	<b>502.4</b>	<b>474.1</b>	<b>435.3</b>
Non Spinnaker	<b>899.2</b>	<b>719.9</b>	<b>622.6</b>	<b>565.3</b>	<b>529.8</b>	<b>506.9</b>	<b>480.4</b>

<b>Crew Weight</b>	
Declared	<b>670 kg</b>
Default*	<b>801 kg</b>
Non Manual Power	<b>No</b>

<b>Special Scoring</b>		
	ToD	ToT
Double Handed	<b>612.1</b>	<b>0.9803</b>
Non Spinnaker	<b>642.6</b>	<b>0.9337</b>
N/S Perf. Line	<b>81.5</b>	<b>0.784</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>45.2°</b>	<b>44.8°</b>	<b>41.3°</b>	<b>39.2°</b>	<b>38.0°</b>	<b>37.2°</b>	<b>37.8°</b>
Beat VMG	<b>3.50</b>	<b>4.29</b>	<b>4.79</b>	<b>5.08</b>	<b>5.27</b>	<b>5.40</b>	<b>5.41</b>
52°	<b>5.47</b>	<b>6.55</b>	<b>7.05</b>	<b>7.31</b>	<b>7.47</b>	<b>7.58</b>	<b>7.66</b>
60°	<b>5.90</b>	<b>6.84</b>	<b>7.31</b>	<b>7.57</b>	<b>7.72</b>	<b>7.83</b>	<b>7.94</b>
75°	<b>6.28</b>	<b>7.06</b>	<b>7.52</b>	<b>7.84</b>	<b>8.06</b>	<b>8.19</b>	<b>8.35</b>
90°	<b>6.22</b>	<b>7.16</b>	<b>7.65</b>	<b>7.93</b>	<b>8.11</b>	<b>8.36</b>	<b>8.64</b>
110°	<b>6.12</b>	<b>7.05</b>	<b>7.59</b>	<b>8.01</b>	<b>8.35</b>	<b>8.58</b>	<b>8.84</b>
120°	<b>5.73</b>	<b>6.82</b>	<b>7.42</b>	<b>7.88</b>	<b>8.28</b>	<b>8.63</b>	<b>9.11</b>
135°	<b>4.96</b>	<b>6.24</b>	<b>7.01</b>	<b>7.52</b>	<b>7.94</b>	<b>8.32</b>	<b>9.04</b>
150°	<b>4.14</b>	<b>5.27</b>	<b>6.30</b>	<b>6.98</b>	<b>7.46</b>	<b>7.86</b>	<b>8.58</b>
Run VMG	<b>3.58</b>	<b>4.56</b>	<b>5.45</b>	<b>6.17</b>	<b>6.76</b>	<b>7.24</b>	<b>7.98</b>
Gybe Angles	<b>142.3°</b>	<b>145.4°</b>	<b>150.4°</b>	<b>161.3°</b>	<b>167.6°</b>	<b>171.8°</b>	<b>173.7°</b>

<b>Sails Limitations</b>		
Genoas	Jibs	Spinnakers
<b>1</b>	<b>0</b>	<b>4</b>
Spinnaker configuration <b>Symmetric</b>		

<b>Storm Sails Areas</b>	
Heavy Weather Jib	<b>41.66</b>
Storm Jib (JL=11.42)	<b>15.43</b>
Storm Trysail	<b>11.37</b>

**Owner**

Eduardo Heinrich  
Panamericana Sur Km.16.6  
Villa El Salvador  
Lima - Peru

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

Signature

<b>BOAT</b>	
Name <b>COUNTERPOINT</b>	Sail Nr <b>PER 31414</b>
File <b>PER31414.dxt</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Forestay <b>Adjustable</b>	Runners <b>2</b>
Carbon Mast <b>No</b>	Jumpers <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>Yes</b>
Fiber Rigging <b>No</b>	w/o Backstay <b>No</b>

P <b>15.260</b>	E <b>4.258</b>	MDT1 <b>0.133</b>	TL <b>1.490</b>
IG <b>17.241</b>	J <b>5.390</b>	MDL1 <b>0.248</b>	MWT
ISP <b>17.281</b>	SFJ <b>0.195</b>	MDT2 <b>0.133</b>	MCG
SPS	SPL <b>5.430</b>	MDL2 <b>0.190</b>	CPW <b>2.785</b>
BAS <b>1.881</b>	TPS	MW <b>0.133</b>	BD <b>0.115</b>
BAL <b>0.152</b>	FSP	GO <b>0.233</b>	BWT

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

<b>COMMENTS</b>	
Tanque de combustible de 48 glns. se encontró con 22 glns. a bordo. Anclas en proa, Herramientas en popa	

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>23/03/2010</b>		SG <b>1.0260</b>	
FFM <b>1.320</b>	FF <b>1.320</b>	SFFP <b>0.875</b>	
FAM <b>1.168</b>	FA <b>1.168</b>	SAFP <b>11.790</b>	
W1 <b>130.80</b>	PD1 <b>641.4</b>	WD <b>13.488</b>	
W2 <b>130.80</b>	PD2 <b>635.9</b>	GSA <b>1.0</b>	
W3 <b>130.80</b>	PD3 <b>622.7</b>	RSA <b>1.0</b>	
W4 <b>130.80</b>	PD4 <b>652.7</b>	PLM <b>9000.0</b>	
Maximum beam station from stern			<b>7.560</b>
RM Measured / Default			<b>217.8 / 208.8</b>
Limit of positive stability			<b>118.4°</b>
Stability Index			<b>123.5</b>
Freeboard at mast at 5.585			<b>1.190</b>

<b>PROPELLER</b>			
Installation <b>Shaft</b>	PRD <b>0.472</b>		
Type <b>Feathering 2 blades</b>	PBW <b>0.126</b>		
Twin Screw <b>No</b>	PIPA <b>0.0050</b>		
PSA <b>18.000</b>	PHL <b>0.110</b>	ST3 <b>0.125</b>	ESL <b>0.950</b>
PSD <b>0.025</b>	ST1 <b>0.020</b>	ST4 <b>0.050</b>	
PHD <b>0.074</b>	ST2 <b>0.125</b>	ST5 <b>0.120</b>	

<b>WATER BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	




**ORC**  
World Leader in Rating Technology

**2010**  
IMS Measurement  
Certificate

**Certificate**

Number  
ORC Ref **PER00000331**  
Issued On **03/07/2010**  
VPP Ver. **2010 1.11**  
Valid until **31/03/2011**



<b>SAILS (Maximum Areas)</b>									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0.175	0.93	1.65	2.79	3.68	19.00	39.47	40.02	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.00	1.01	2.03	4.05	6.08	18.34	8.10	74.31	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF						
	17.23	9.98	9.74					142.61	$SL \cdot (SF + 4 \cdot SMG) / 6$

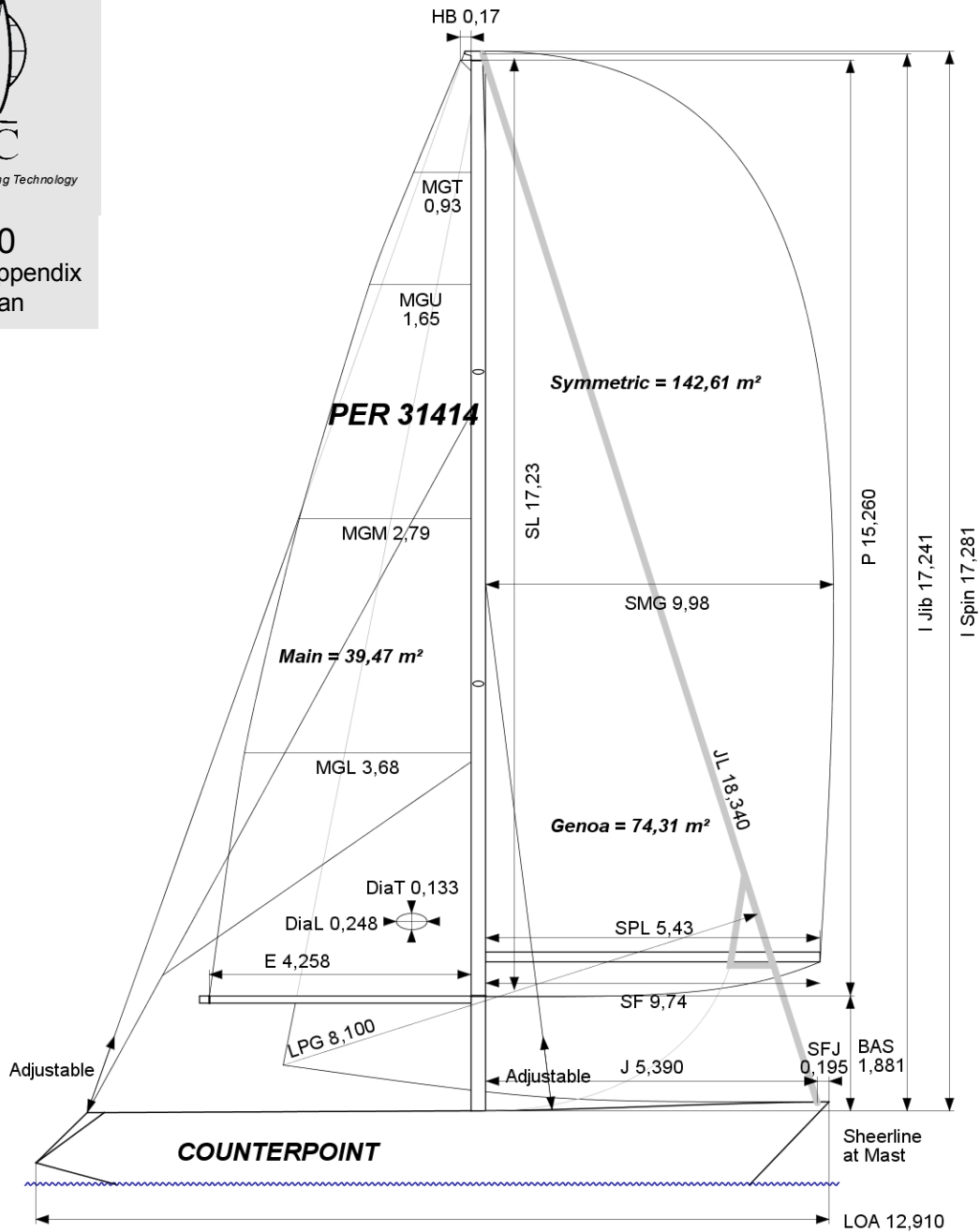
<b>MEASUREMENT INVENTORY</b>			
Measurer <b>G.Liza/L.Yarlaque</b>			
Date <b>23/03/2010</b>			
Comment			
Id	Item	Weight	Distanc Description
2	Anchor	12.0	10.00 10m. cadena de
1	Anchor	20.0	10.00 10m. cadena de
2	Chain		10.00 cadena de 3/8
1	Chain		10.00 cadena de 5/16
Id	Item	Weight	Description

<b>MEASUREMENT INVENTORY</b>			
Id	Item	Weight	Distanc Description



World Leader in Rating Technology

2010  
Certificate Appendix  
Sail Plan



**SAILS INVENTORY**

MANSAIL														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment		
1	0.175	0.93	1.65	2.79	3.68	19.00	39.47				Unknown	* Copied from legacy		
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlap	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.00	1.01	2.03	4.05	6.08	8.10	18.34	150%	74.32				Unknown	* Copied from
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	17.23	9.98	9.74	142.61				Unknown	* Copied from legacy *					
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		