

<b>BOAT</b> Name <b>TEMPTATION-OAKCLIFF</b> Sail Nr <b>USA 50069</b>	<b>GPH</b> <b>493.6</b>	<b>HULL</b> Length Overall <b>15.240m</b> Maximum Beam <b>4.175m</b> Displacement <b>10,225kg</b> Draft <b>3.130m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension <b>0.00</b>
<b>GENERAL</b> Class <b>KER 50</b> Designer <b>Ker</b> Builder <b>NEW ENGLAND BOAT</b> Series <b>05/2006</b> Age <b>05/2006</b> Age Allowance <b>0.422%</b> Offset File <b>US42259A.off - 17/06/2015 10:43:26</b> Measurement by -		IMSL <b>13.420m</b> VCGD <b>-1.058m</b> Sink <b>27.81kg/mm</b> RL <b>13.628m</b> VCGM <b>-1.020m</b> WS <b>40.07m<sup>2</sup></b> LSM0 <b>12.937m</b> Displacement/Length ratio <b>4.7224</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>480.1</b>			<b>540.8</b>		
Time on Time	<b>1.2497</b>			<b>1.2481</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>558.5</b>	<b>439.8</b>	<b>389.3</b>	<b>722.1</b>	<b>542.2</b>	<b>475.4</b>
Time on Time	<b>1.2086</b>	<b>1.5349</b>	<b>1.7340</b>	<b>0.9348</b>	<b>1.2449</b>	<b>1.4199</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>816.9</b>	<b>669.1</b>	<b>600.4</b>	<b>572.0</b>	<b>557.5</b>	<b>547.4</b>	<b>532.6</b>
52°	<b>534.6</b>	<b>448.2</b>	<b>418.6</b>	<b>406.8</b>	<b>400.2</b>	<b>396.1</b>	<b>386.7</b>
60°	<b>503.3</b>	<b>432.3</b>	<b>408.4</b>	<b>394.9</b>	<b>387.0</b>	<b>381.6</b>	<b>373.2</b>
75°	<b>479.2</b>	<b>422.8</b>	<b>399.9</b>	<b>381.9</b>	<b>366.6</b>	<b>357.0</b>	<b>346.9</b>
90°	<b>482.8</b>	<b>423.5</b>	<b>399.7</b>	<b>379.6</b>	<b>359.6</b>	<b>342.0</b>	<b>318.6</b>
110°	<b>494.3</b>	<b>419.1</b>	<b>389.4</b>	<b>372.8</b>	<b>358.0</b>	<b>343.1</b>	<b>311.9</b>
120°	<b>509.9</b>	<b>424.0</b>	<b>391.6</b>	<b>363.9</b>	<b>345.2</b>	<b>330.3</b>	<b>298.1</b>
135°	<b>566.4</b>	<b>453.7</b>	<b>409.4</b>	<b>382.1</b>	<b>353.9</b>	<b>325.1</b>	<b>271.6</b>
150°	<b>676.7</b>	<b>537.8</b>	<b>456.6</b>	<b>411.4</b>	<b>390.0</b>	<b>367.5</b>	<b>311.4</b>
Run VMG	<b>781.4</b>	<b>621.0</b>	<b>527.2</b>	<b>475.6</b>	<b>449.8</b>	<b>424.4</b>	<b>359.6</b>

**Certificate**

Number **US6032**  
ORC Ref **USAX02A1HAN**  
Issued On **17/06/2019**  
VPP Ver. **2019.1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default **994kg**  
Maximum **1,275kg**  
Minimum\* **956kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>530.1</b>	<b>1.1319</b>
Non Spin OSN <b>517.9</b>	<b>1.1584</b>

Selected Courses							
Windward / Leeward	<b>799.1</b>	<b>645.0</b>	<b>563.8</b>	<b>523.8</b>	<b>503.6</b>	<b>485.9</b>	<b>446.1</b>
Circular Random	<b>674.4</b>	<b>546.9</b>	<b>479.4</b>	<b>440.3</b>	<b>415.2</b>	<b>396.6</b>	<b>366.9</b>
Coastal / Long Distance	<b>797.4</b>	<b>606.9</b>	<b>510.8</b>	<b>456.4</b>	<b>427.2</b>	<b>400.7</b>	<b>351.9</b>
Non Spinnaker	<b>739.6</b>	<b>593.6</b>	<b>514.1</b>	<b>466.6</b>	<b>435.7</b>	<b>414.0</b>	<b>383.5</b>

**Sails Limitations**

Headsails	Spinnakers
<b>7</b>	<b>5</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>42.7°</b>	<b>41.4°</b>	<b>39.9°</b>	<b>38.1°</b>	<b>37.3°</b>	<b>36.5°</b>	<b>35.9°</b>
Beat VMG	<b>4.41</b>	<b>5.38</b>	<b>6.00</b>	<b>6.29</b>	<b>6.46</b>	<b>6.58</b>	<b>6.76</b>
52°	<b>6.73</b>	<b>8.03</b>	<b>8.60</b>	<b>8.85</b>	<b>9.00</b>	<b>9.09</b>	<b>9.31</b>
60°	<b>7.15</b>	<b>8.33</b>	<b>8.82</b>	<b>9.12</b>	<b>9.30</b>	<b>9.43</b>	<b>9.65</b>
75°	<b>7.51</b>	<b>8.51</b>	<b>9.00</b>	<b>9.43</b>	<b>9.82</b>	<b>10.09</b>	<b>10.38</b>
90°	<b>7.46</b>	<b>8.50</b>	<b>9.01</b>	<b>9.48</b>	<b>10.01</b>	<b>10.53</b>	<b>11.30</b>
110°	<b>7.28</b>	<b>8.59</b>	<b>9.24</b>	<b>9.66</b>	<b>10.06</b>	<b>10.49</b>	<b>11.54</b>
120°	<b>7.06</b>	<b>8.49</b>	<b>9.19</b>	<b>9.89</b>	<b>10.43</b>	<b>10.90</b>	<b>12.08</b>
135°	<b>6.36</b>	<b>7.93</b>	<b>8.79</b>	<b>9.42</b>	<b>10.17</b>	<b>11.07</b>	<b>13.26</b>
150°	<b>5.32</b>	<b>6.69</b>	<b>7.88</b>	<b>8.75</b>	<b>9.23</b>	<b>9.80</b>	<b>11.56</b>
Run VMG	<b>4.61</b>	<b>5.80</b>	<b>6.83</b>	<b>7.57</b>	<b>8.00</b>	<b>8.48</b>	<b>10.01</b>
Gybe Angles	<b>142.3°</b>	<b>143.6°</b>	<b>148.1°</b>	<b>152.6°</b>	<b>151.6°</b>	<b>148.6°</b>	<b>142.7°</b>

**Class Division Length**

CDL = **13.525**

**Storm Sails Areas**

Heavy Weather Jib **54.13**  
Storm Jib (JL=13.02) **20.05**  
Storm Trysail **24.65**

**Owner**

<b>BOAT</b>		
Name	TEMPTATION-	Sail Nr
File	US6032	Data in
		USA 50069
		meters/kilograms

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test Enter VCG directly		
Flotation date	01/05/2015	SG 1.0190
VCGDe -1.058		
FFM	1.623	FF 1.626 SFFP 0.500
FAM	1.307	FA 1.308 SAFF 14.920
LCF from stem on CL / on sheer		8.166 / 8.399
Maximum beam station from stem		10.565
RM Measured		368.4kg-m
RM Default		301.6kg-m
Limit of positive stability / Stab.Index		154.2° / 159.5
Freeboard at mast at 6.775		1.432



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<b>RIG</b>					
Forestay Tension	Aft	Spreaders	2		
Inner Stay	None Fitted	Runners	0		
Carbon Mast	Yes	Jumper Struts	None		
Taper Hollows	No	Jib Furler	No		
Fiber Rigging	No	Main Furler	No		
Lenticular Rigging	No	Without Backstay	No		
Articulated Bowsprit	No				
P	20.400	E	6.903	MDT1	0.130 MW 0.260
IG	19.960	J	6.275	MDL1	0.260 GO 0.280
ISP	22.490	SFJ	0.500	MDT2	0.120 BD 0.325
BAS	1.970	SPL	0.000	MDL2	0.180 MWT 304.00
FSP	0.067	TPS	8.080	TL	2.240 MCG 7.570

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

<b>PROPELLER</b>		
Installation	Strut	PRD 0.560
Type	Folding 2 blades	PBW 0.146
Twin Screw	No	PIPA 0.0034
ST1	0.080	ST3 0.210 ST5 0.320
ST2	0.210	ST4 0.090 EDL 2.040

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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	
	0.170	1.57	2.70	4.38	5.72	83.66	85.30	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	
	25.46	20.86	23.16	12.45	12.50	240.48			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.00		1.62	3.16	4.68	6.22	20.05	63.26					

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
a	Anchor	0-0	0-00	
Id	Item	Weight Description		

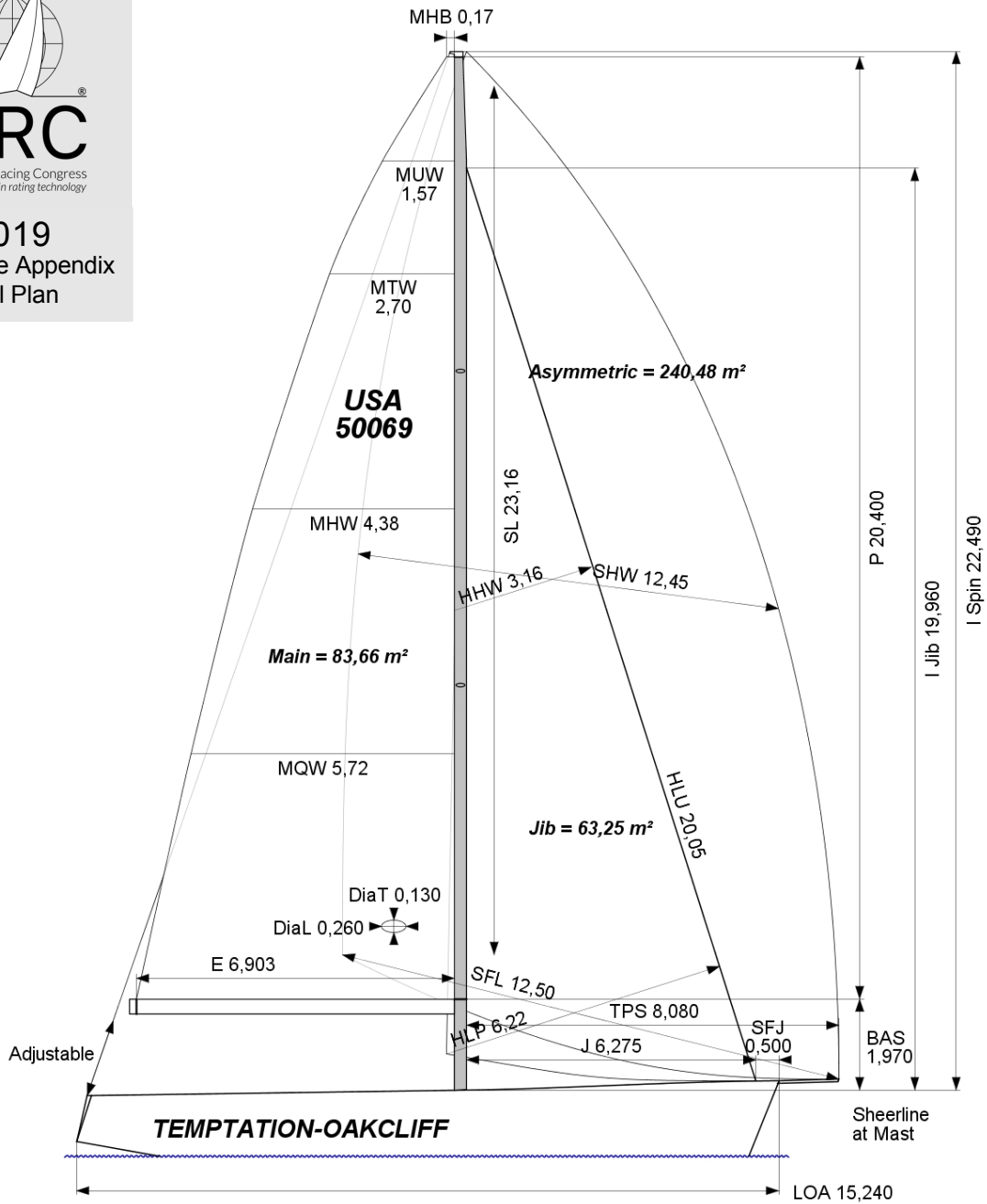
<b>MEASUREMENT INVENTORY</b>									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
		Tank				0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2515030	0.17	1.57	2.70	4.38	5.72	83.67			North Sails		2019 Mainsail

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
942652	0.00		1.62	3.16	4.68	6.22	20.05	99%	63.26							

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2515023	25.46	20.86	23.16	12.45	12.50	240.48	asym			North Sails-		A1.5 Asymm