



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

ORC
Central Rating Office
issuing certificates for
CANADA



Certificate

Number **044/16**
Issued On **13.4.2016**.
ORC Ref **CAN00062397**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**.

Crew Weight

Declared **1,115kg**
Default* **687kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	692.7	0.8662
Non Spin OSN	669.1	0.8968
N/S Perf. Line	-11.6	0.537

Sails Limitations

Headsails **1** Spinnakers **3**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 88.21**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **8.818**

Stability

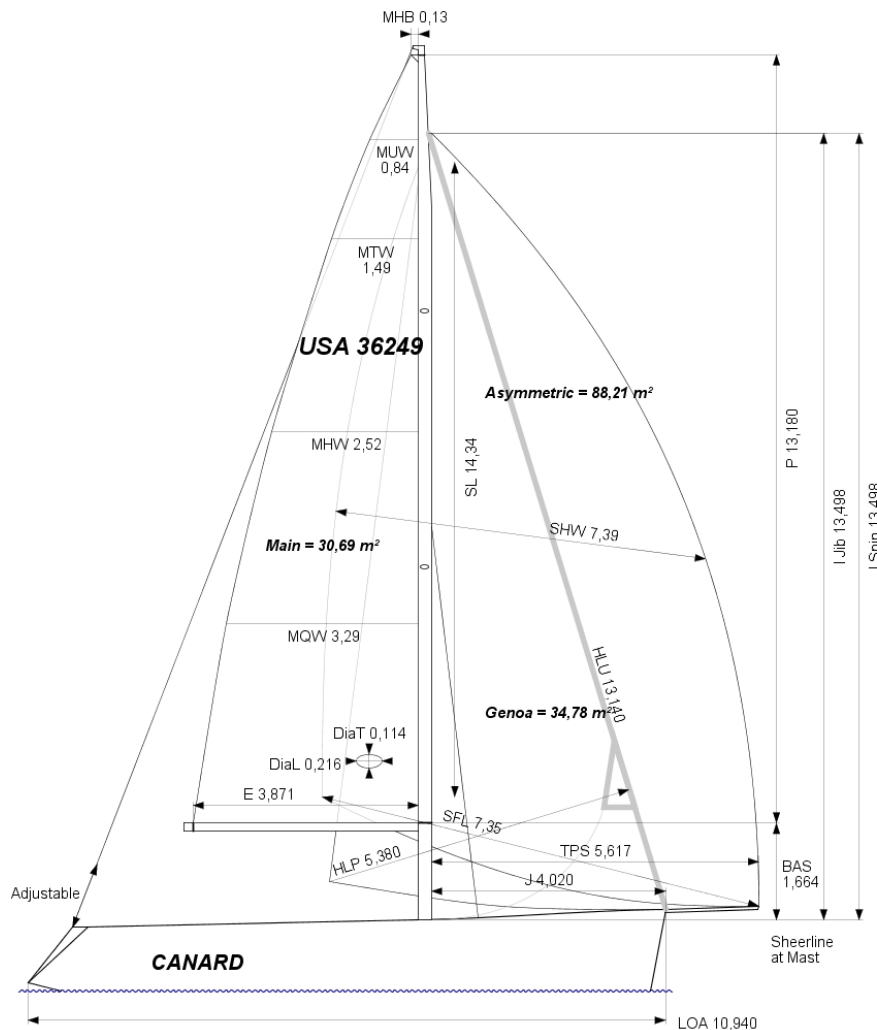
LPS (Estimated): **105.2°**
Stability Index: **107.1**
OSR Category: **N/A**

Owner

Joseph Gaffney
6734 7th Ave NW
98117 Seattle WA
USA

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

Signature



BOAT		GPH		HULL			
Name	Canard			Data File	USA36249.dxt	LOA	10.940m
Sail Nr	USA 36249			Offset File	SOD36IM.off	MB	3.578m
			655.8	Displacement	6,145kg	Draft	1.940m
CLASS				IMS Division	Cruiser/Racer	Dynamic All.	0.358%
Class	Sun Odyssey 36i			Fwd Accom.	Yes	Construction	Solid
Designer	Marc Lombard			Fiber Rigging	No	Aramid Core	No
Builder	Jeanneau			Crew Arm Ex		Carbon Rudder	No
Series	01.2007					Light Stanchions	No
Age Date	01.2009			IMSL	10.029m	VCGD	0.317m
Age Allowance	0.292%			RL	7.606m	VCGM	0.294m
				WS	27.38m2	Sink	20.39kg/mm
				LSM0	9.984m	Displacement/Length ratio	6.1746
COMMENTS				Water Ballast	0	Trim Tab	No
PROPELLER				CENTERBOARD			
Installation	Shaft exposed	PRD	0.405	N/A			
Type	Feathering 3 blades	PIPA	0.0022				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	636.0			716.0			
Time On Time	0.9434			0.9428			
Performance Line	PLT	PLD		PLT	PLD		
	0.609	16.6		0.743	162.9		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.8784	1.1698	1.3389	0.6755	0.9314	1.1023	



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ORC Club Certificate Appendix

BOAT	
Name Canard	Certificate Number 044/16
Sail Nr USA 36249	Issued On 13.4.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1175.5	961.7	842.4	765.7	714.3	694.6	685.9
52°	755.8	629.2	553.7	515.5	495.5	487.4	483.1
60°	706.0	592.0	527.5	499.0	482.5	472.9	467.6
75°	666.4	561.4	509.7	486.3	470.9	456.8	440.8
90°	670.6	557.0	500.3	474.3	460.0	451.7	428.4
110°	669.1	548.7	496.8	471.6	448.8	425.2	399.6
120°	690.1	565.5	504.4	477.2	454.9	431.4	386.7
135°	765.0	619.1	533.6	493.9	471.0	449.5	406.3
150°	900.1	710.8	604.7	539.2	506.6	485.6	453.0
Run VMG	1039.3	820.8	698.3	622.6	583.7	536.7	483.4

Selected Courses							
Windward / Leeward	1107.4	891.3	770.3	694.1	649.0	615.7	584.7
Circular Random	918.0	735.2	635.5	576.5	539.6	515.4	485.8
Ocean for PCS	1127.3	864.6	715.0	622.5	562.0	519.8	462.2
Non Spinnaker	987.6	783.6	670.3	601.9	558.7	530.6	497.9

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	44.5°	42.8°	42.3°	42.1°	40.4°	39.3°	39.4°
Beat VMG	3.06	3.74	4.27	4.70	5.04	5.18	5.25
52°	4.76	5.72	6.50	6.98	7.26	7.39	7.45
60°	5.10	6.08	6.82	7.21	7.46	7.61	7.70
75°	5.40	6.41	7.06	7.40	7.65	7.88	8.17
90°	5.37	6.46	7.20	7.59	7.83	7.97	8.40
110°	5.38	6.56	7.25	7.63	8.02	8.47	9.01
120°	5.22	6.37	7.14	7.54	7.91	8.34	9.31
135°	4.71	5.82	6.75	7.29	7.64	8.01	8.86
150°	4.00	5.06	5.95	6.68	7.11	7.41	7.95
Run VMG	3.46	4.39	5.16	5.78	6.17	6.71	7.45
Gybe Angles	145.9°	147.8°	147.4°	148.2°	150.8°	175.1°	177.9°