



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office
ORC
Central Rating Office
issuing certificates for
CANADA



Certificate

Number **036/16**
Issued On **26.3.2016**.
ORC Ref **CAN00062165**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**.

Crew Weight

Declared **400kg**
Default* **673kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	564.5	1.0629
Non Spin OSN	552.7	1.0857
N/S Perf. Line	7.0	0.689

Sails Limitations

Headsails **7** Spinnakers **4**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes** **141.28**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **10.572**

Stability

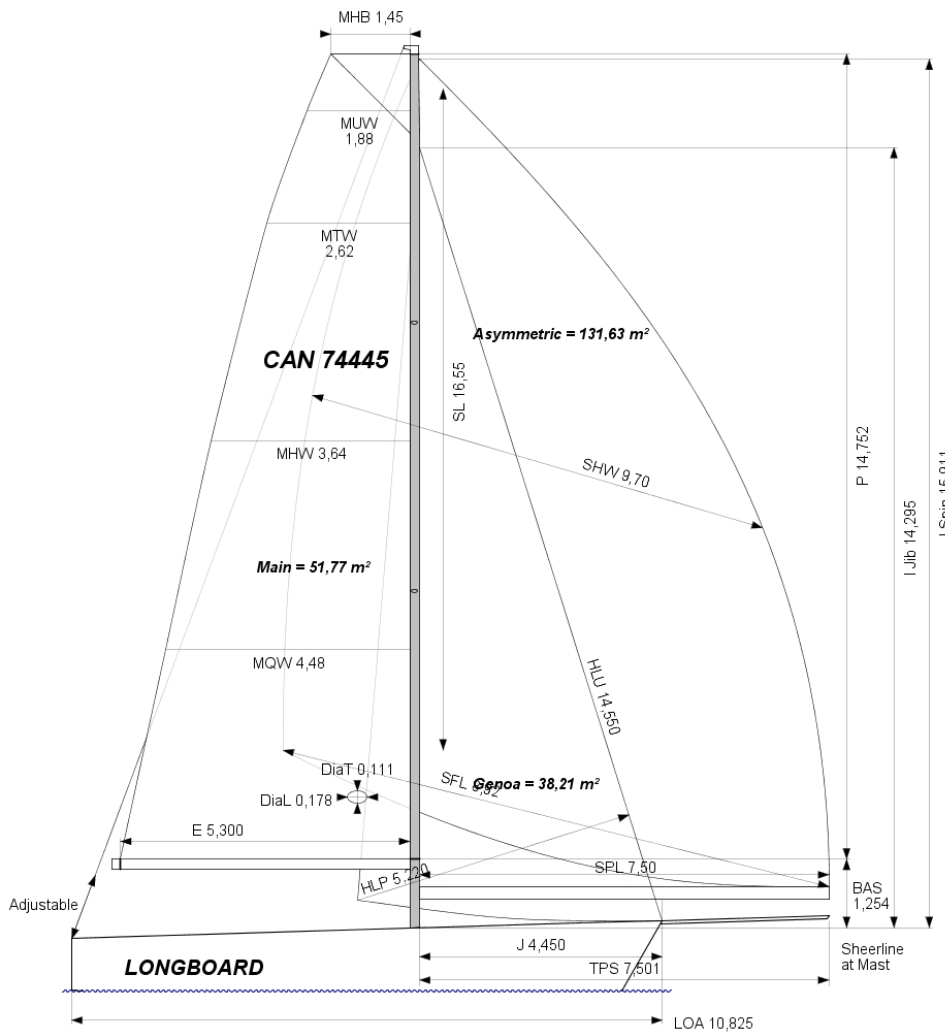
LPS (Estimated): **113.6°**
Stability Index: **108.7**
OSR Category: **N/A**

Owner

Peter Salusbury
1259-14th Street
V7T2R9 West Vancouver Canada
CANADA

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

Signature



BOAT	GPH	HULL
Name Longboard Sail Nr CAN 74445	529.7	Data File CAN74445.dxt LOA 10.825m Offset File rt35bc.off MB 3.436m Displacement 2,915kg Draft 2.598m
CLASS Class One Off Designer Paul Bieker Builder James Betts Enterp Series 01.2012 Age Date 01.2012 Age Allowance 0.130%	IMS Division Cruiser/Racer Dynamic All. 0.001% Fwd Accom. Yes Construction Carbon Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No	IMSL 10.215m VCGD -0.231m Sink 17.13kg/mm RL 10.926m VCGM -0.206m WS 22.14m2 LSM0 9.840m Displacement/Length ratio 3.0595
COMMENTS	Water Ballast 544 Trim Tab No	
PROPELLER Type No Propeller	CENTERBOARD N/A	
SCORING OPTIONS		
	OFFSHORE COASTAL / LONG DISTANCE	INSHORE WINDWARD / LEEWARD
Time On Distance	517.6	578.9
Time On Time	1.1592	1.1659
Performance Line	PLT 0.810 PLD 44.7	PLT 1.140 PLD 286.5
Triple Number	Low 1.1399 Medium 1.4141 High 1.6313	Low 0.8888 Medium 1.1484 High 1.3526



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ORC Club Certificate Appendix

BOAT	
Name	Longboard
Sail Nr	CAN 74445
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	871.7	734.8	668.3	638.8	621.3	608.3	601.3
52°	566.2	498.1	474.1	462.5	454.3	445.2	433.6
60°	530.9	482.8	458.8	445.1	435.5	426.6	411.1
75°	506.1	462.9	437.3	416.5	404.2	396.1	376.6
90°	507.6	460.6	423.5	401.6	378.6	366.6	353.1
110°	515.5	464.0	428.3	403.8	377.7	350.0	312.3
120°	528.8	460.8	423.2	390.6	367.7	344.9	305.8
135°	580.7	484.7	437.1	388.6	353.7	324.9	279.0
150°	689.2	550.4	482.8	441.9	398.9	356.1	276.6
Run VMG	795.9	635.5	557.8	507.4	460.9	411.1	319.4

Selected Courses							
Windward / Leeward	833.8	685.2	613.0	573.1	541.1	509.7	460.3
Circular Random	714.9	585.4	516.1	474.1	445.2	422.8	387.8
Ocean for PCS	875.7	685.2	577.7	509.9	462.4	425.8	369.7
Non Spinnaker	776.0	628.7	548.7	500.3	468.1	444.6	410.0

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	43.3°	41.5°	38.0°	36.5°	35.2°	34.5°	34.3°
Beat VMG	4.13	4.90	5.39	5.64	5.79	5.92	5.99
52°	6.36	7.23	7.59	7.78	7.92	8.09	8.30
60°	6.78	7.46	7.85	8.09	8.27	8.44	8.76
75°	7.11	7.78	8.23	8.64	8.91	9.09	9.56
90°	7.09	7.82	8.50	8.96	9.51	9.82	10.19
110°	6.98	7.76	8.40	8.91	9.53	10.29	11.53
120°	6.81	7.81	8.51	9.22	9.79	10.44	11.77
135°	6.20	7.43	8.24	9.26	10.18	11.08	12.90
150°	5.22	6.54	7.46	8.15	9.03	10.11	13.02
Run VMG	4.52	5.66	6.45	7.10	7.81	8.76	11.27
Gybe Angles	143.3°	144.8°	153.9°	156.9°	151.0°	146.3°	148.1°