



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

ORC
Central Rating Office
issuing certificates for
CANADA



Certificate

Number **038/16**
Issued On **30.3.2016**.
ORC Ref **CAN00062195**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**.

Crew Weight

Declared **204kg**
Default* **737kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **674.8 0.8892**
Non Spin OSN **654.2 0.9172**
N/S Perf. Line **-1.6 0.564**

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 102.05**
Asymmetric: **Yes 105.89**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **9.142**

Stability

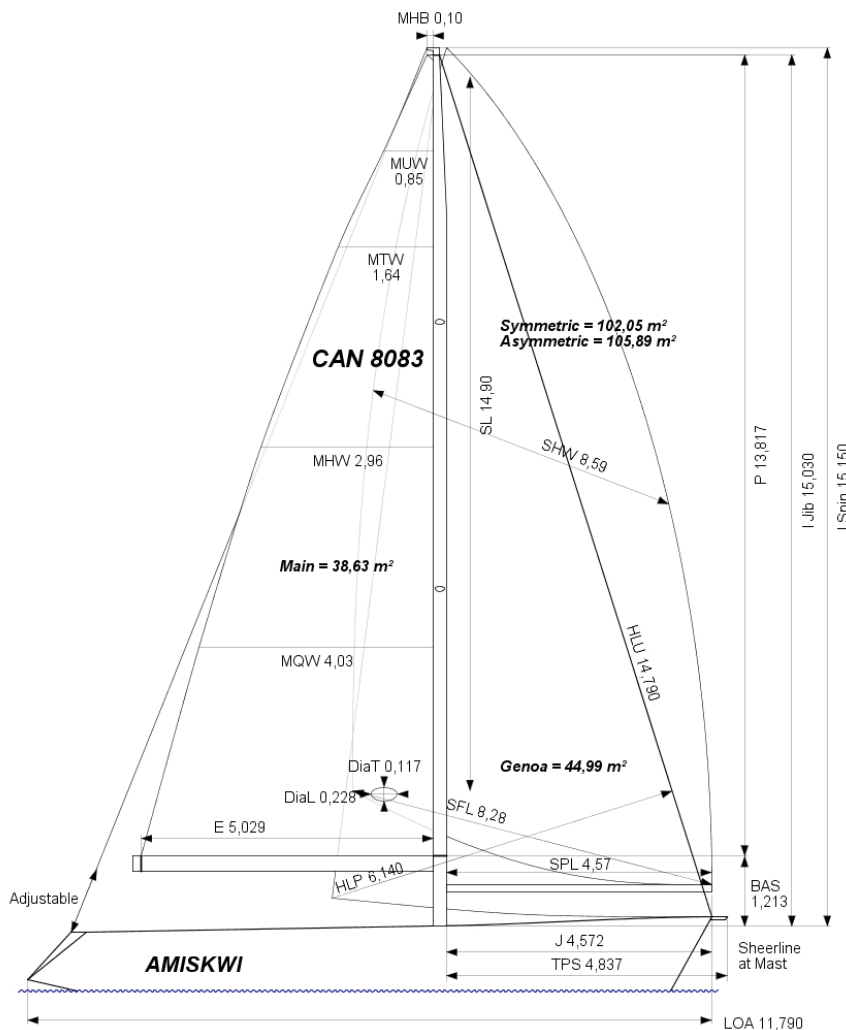
LPS (Estimated): **111.9°**
Stability Index: **117.2**
OSR Category: **N/A**

Owner

Chris Read
104 Krizan Bay
Alberta T1W 3G3 Canmore
CANADA

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

Signature



BOAT		GPH		HULL			
Name Amiskwi Sail Nr CAN 8083		645.1		Data File CAN8083.dxt	LOA 11.790m		
				Offset File US41546.off	MB 3.768m		
				Displacement 8,600kg	Draft 2.146m		
				IMS Division Cruiser/Racer	Dynamic All. 0.406%		
				Fwd Accom. Yes	Construction Cored		
				Fiber Rigging No	Aramid Core No		
				Crew Arm Ex 0.00	Carbon Rudder No		
					Light Stanchions No		
CLASS				IMSL 10.449m	VCGD 0.131m	Sink 22.94kg/mm	
Class Sabre 386				RL 7.833m	VCGM 0.067m	WS 32.35m2	
Designer Jim Taylor				LSM0 10.492m	Displacement/Length ratio 7.4460		
Builder Sabre Yachts				Water Ballast 0 Trim Tab No			
Series 01.2004							
Age Date 01.2006							
Age Allowance 0.390%							
COMMENTS				CENTERBOARD			
				N/A			
PROPELLER							
Installation Shaft exposed		PRD 0.405					
Type Folding 3 blades		PIPA 0.0016					
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	626.3			700.6			
Time On Time	0.9581			0.9635			
Performance Line	PLT	PLD		PLT	PLD		
	0.626	22.5		0.737	146.7		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.8958	1.1882	1.3535	0.6872	0.9507	1.1330	



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ORC Club Certificate Appendix

BOAT

Name **Amiskwi** Certificate Number **038/16**
 Sail Nr **CAN 8083** Issued On **30.3.2016.**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1138.6	937.4	826.0	754.5	716.7	696.4	679.7
52°	732.4	614.1	541.1	505.8	491.6	484.6	478.5
60°	685.3	577.3	515.5	489.3	476.8	470.6	464.9
75°	646.8	546.1	497.6	476.5	463.3	453.2	442.9
90°	648.8	547.8	494.1	477.1	462.8	450.5	428.9
110°	657.0	541.3	489.5	466.4	450.2	440.4	424.3
120°	678.4	559.0	497.5	471.1	452.0	433.8	409.9
135°	754.1	614.4	528.6	487.6	465.9	447.6	410.8
150°	896.9	707.8	598.5	527.5	488.5	467.7	433.1
Run VMG	1035.7	817.3	690.9	603.6	545.0	501.4	458.9

Selected Courses							
Windward / Leeward	1087.1	877.4	758.4	679.0	630.8	598.9	569.3
Circular Random	900.1	722.2	625.2	568.0	532.5	509.5	482.4
Ocean for PCS	1108.8	850.8	704.0	613.6	555.2	515.3	462.8
Non Spinnaker	954.2	760.3	653.4	589.4	549.1	522.8	491.0

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	44.7°	42.9°	42.8°	42.6°	40.9°	40.0°	38.9°
Beat VMG	3.16	3.84	4.36	4.77	5.02	5.17	5.30
52°	4.92	5.86	6.65	7.12	7.32	7.43	7.52
60°	5.25	6.24	6.98	7.36	7.55	7.65	7.74
75°	5.57	6.59	7.23	7.56	7.77	7.94	8.13
90°	5.55	6.57	7.29	7.54	7.78	7.99	8.39
110°	5.48	6.65	7.35	7.72	8.00	8.17	8.48
120°	5.31	6.44	7.24	7.64	7.96	8.30	8.78
135°	4.77	5.86	6.81	7.38	7.73	8.04	8.76
150°	4.01	5.09	6.01	6.82	7.37	7.70	8.31
Run VMG	3.48	4.40	5.21	5.96	6.61	7.18	7.85
Gybe Angles	145.4°	150.0°	151.0°	154.3°	169.2°	180.0°	180.0°