



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

ORC
Central Rating Office
issuing certificates for
CANADA



Certificate

Number **003/16**
Issued On **18.1.2016**.
ORC Ref **CAN00060988**
VPP Ver. **2016 1.00**
Valid until **31.12.2016**.

Crew Weight

Declared **1,079kg**
Default* **1,079kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	641.8	0.9349
Non Spin OSN	621.7	0.9651
N/S Perf. Line	22.8	0.720

Sails Limitations

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

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 148.14**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **11.062**

Stability

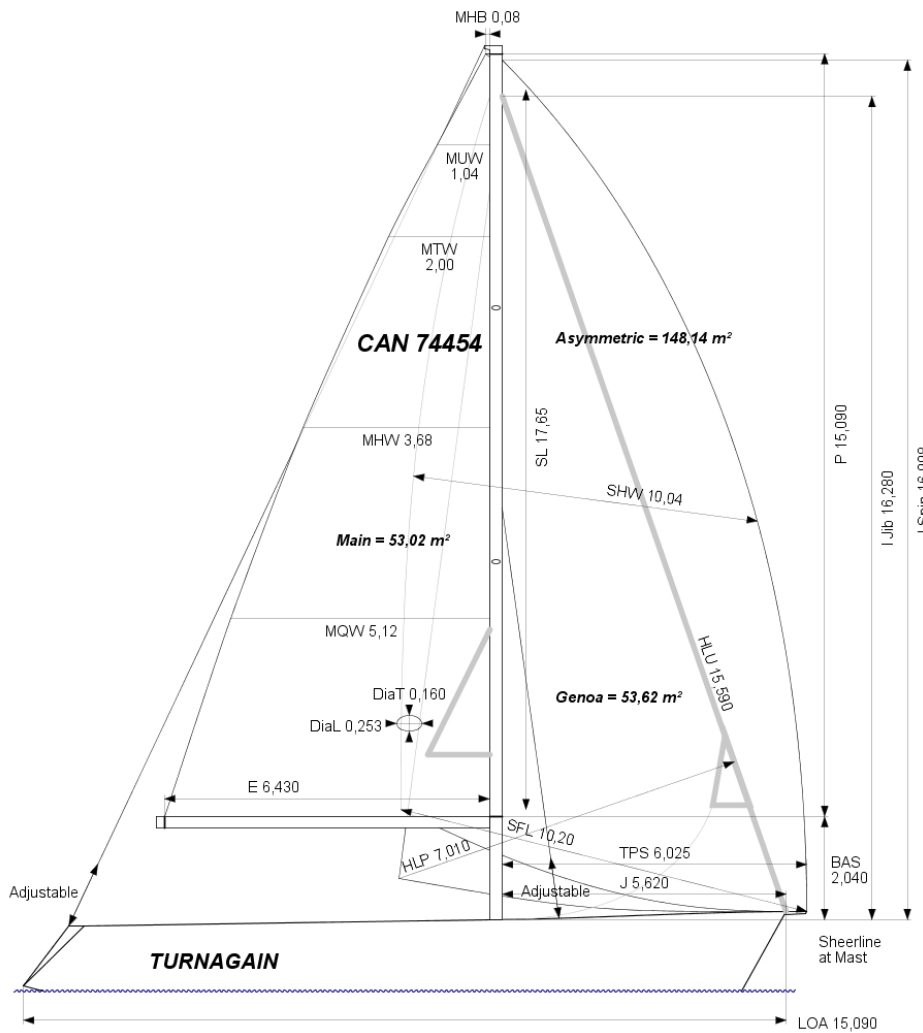
LPS (Estimated): **103.2°**
Stability Index: **109.2**
OSR Category: **N/A**

Owner

Travis McGregor
3086 Spencer Place
V7V3C9 West Vancouver BC
Canada

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

Signature



BOAT		GPH		HULL			
Name Turnagain Sail Nr CAN 74454		606.0		Data File CAN74454.dxt	LOA 15.090m		
				Offset File BENETEAU49CL	MB 4.476m		
				Displacement 12,453kg	Draft 2.064m		
				IMS Division Cruiser/Racer	Dynamic All. 0.370%		
				Fwd Accom. Yes	Construction Solid		
				Fiber Rigging No	Aramid Core No		
				Crew Arm Ex	Carbon Rudder No		
					Light Stanchions No		
				IMSL 13.625m	VCGD 0.009m	Sink 35.22kg/mm	
				RL 8.498m	VCGM 0.324m	WS 45.15m2	
				LSM0 13.703m	Displacement/Length ratio 4.8398		
				Water Ballast 0 Trim Tab No			
CLASS							
Class Oceanis 50							
Designer Barret-Racoupeau							
Builder Beneteau							
Series 01.2005							
Age Date 01.2011							
Age Allowance 0.357%							
COMMENTS							
PROPELLER							
Installation Shaft non exposed		PRD 0.533					
Type Feathering 3 blades		PIPA 0.0013					
CENTERBOARD		N/A					
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	587.4			669.6			
Time On Time	1.0214			1.0081			
Performance Line	PLT 0.904	PLD 85.4		PLT 0.722	PLD 113.8		
Triple Number	Low 0.9256	Medium 1.2764	High 1.4974	Low 0.7011	Medium 0.9974	High 1.2102	



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ORC Club Certificate Appendix

BOAT	
Name Turnagain	Certificate Number 003/16
Sail Nr CAN 74454	Issued On 18.1.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1152.1	925.6	802.4	724.4	668.7	639.5	616.5
52°	726.0	591.4	516.8	468.2	441.5	429.8	421.3
60°	666.5	549.7	482.6	444.3	425.1	414.6	406.3
75°	617.2	514.5	455.5	427.7	411.9	399.7	382.1
90°	616.0	512.9	448.2	419.6	407.7	397.8	372.5
110°	621.1	503.8	441.7	415.0	395.6	376.8	356.1
120°	641.1	518.8	451.0	420.1	400.5	380.7	342.0
135°	725.4	573.1	487.6	439.6	415.5	397.2	358.8
150°	863.3	672.7	561.6	491.8	451.0	429.3	399.4
Run VMG	996.8	776.7	648.5	567.8	520.8	493.9	431.9

Selected Courses							
Windward / Leeward	1074.5	851.2	725.4	646.1	594.7	566.7	524.2
Circular Random	865.3	685.8	586.2	526.1	487.9	462.4	429.7
Ocean for PCS	840.1	658.5	555.8	493.0	453.0	426.2	391.2
Non Spinnaker	930.3	732.1	620.3	551.6	507.0	477.0	440.3

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	46.7°	45.3°	44.5°	44.3°	43.8°	42.5°	41.3°
Beat VMG	3.12	3.89	4.49	4.97	5.38	5.63	5.84
52°	4.96	6.09	6.97	7.69	8.15	8.38	8.54
60°	5.40	6.55	7.46	8.10	8.47	8.68	8.86
75°	5.83	7.00	7.90	8.42	8.74	9.01	9.42
90°	5.84	7.02	8.03	8.58	8.83	9.05	9.67
110°	5.80	7.15	8.15	8.68	9.10	9.55	10.11
120°	5.62	6.94	7.98	8.57	8.99	9.46	10.53
135°	4.96	6.28	7.38	8.19	8.66	9.06	10.03
150°	4.17	5.35	6.41	7.32	7.98	8.39	9.01
Run VMG	3.61	4.63	5.55	6.34	6.91	7.29	8.33
Gybe Angles	143.7°	147.0°	146.9°	147.6°	148.8°	151.3°	177.1°