

2012 Vic-Maui Race Handicap Certificate

Boat Big Ben Vic-Maui Handicap: 120 sec/mi.
 Type Beneteau Oceanis 500
 Sail # 74440
 Issue date of this certificate: June 15, 2012 rev. # : 2

Compliance

I have read and understand my responsibilities with respect to maintaining my boat in compliance with this handicap certificate. I have reviewed the dimensions as submitted below and confirm that they are correct.

Owner's signature: Date:
 Owner/charterer: Jim McLauchlan

Dimensions as submitted:

main	foretriangle	spinnaker	hull	propellor
P 51.67	I 59.5	Sym <input checked="" type="checkbox"/>	LOA 50.25	blades 3
E 18	J 18.83	SPL 18.00	LWL 44.50	exposd <input checked="" type="checkbox"/>
HB 0.50	LP 22.00	LLS 58.00	Bm 15.67	in app <input checked="" type="checkbox"/>
MGU 3.75	LLJ 53.66	G* 36	Dr 6.00	fldg <input checked="" type="checkbox"/>
MGM 8.00		Asym <input checked="" type="checkbox"/>	Displ 30700	ftthr <input checked="" type="checkbox"/>
Launch date 1991		Sprit 0.00	Ballast 10745	solid <input checked="" type="checkbox"/>
Design Date 1989		SLU 0.00		
Keel type fin		SLE 0.00		
		SGF 0.00		

VM factors

Disp/Length	141	0.983			1.660%
Sail Area/Disp	24	0.979			2.064%
Sail Area/WS	2.55	0.988			1.204%
Keel & Rudder	fin	0.993	ratio	0.218	0.693%
Age Date	1990	0.992			0.763%
Total VM factor =					6.4%

Vic-Maui VPP 548.1 sec/mi 34.4 Feet
 V M Handicap correction 12.3 sec/mi 32.2 Feet
 VM constant -440 sec/mi
 Vic-Maui Handicap: 120 sec/mi

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	1062.5	883.4	779.9	729.9	682.9	0.0	0.0
90	603.3	529.9	491.6	475.8	0.0	0.0	0.0
110	0.0	539.0	497.8	472.1	443.5	429.8	418.4
120	0.0	558.8	510.1	480.6	440.4	417.8	0.0
150	0.0	728.7	614.4	547.0	481.9	444.1	409.6
VMG Running	0.0	841.4	709.4	623.0	526.4	476.7	442.9

True wind angle	True wind speed						
	6.00	8.00	10.00	12.00	14.00	16.00	20.00
VMG Beating	1.0%	0.8%	0.8%	0.3%	0.3%	xxxxx	xxxxx
90	0.8%	3.3%	3.3%	0.8%	xxxxx	xxxxx	xxxxx
110	xxxxx	1.2%	2.2%	2.2%	2.2%	1.7%	1.5%
120	xxxxx	1.1%	2.2%	4.5%	2.2%	1.1%	xxxxx
150	xxxxx	5.4%	6.7%	6.7%	4.0%	1.3%	2.7%
VMG Running	xxxxx	1.9%	5.8%	5.8%	8.7%	9.9%	7.6%

True wind angle	True wind speed						
	6.00	8.00	10.00	12.00	14.00	16.00	20.00
VMG Beating	10.63	7.07	6.24	2.19	2.05	xxxxx	xxxxx
90	4.83	17.49	16.22	3.81	xxxxx	xxxxx	xxxxx
110	xxxxx	6.47	10.95	10.39	9.76	7.31	6.28
120	xxxxx	6.15	11.22	21.62	9.69	4.60	xxxxx
150	xxxxx	39.35	41.16	36.65	19.28	5.77	11.06
VMG Running	xxxxx	15.99	41.15	36.13	45.80	47.20	33.66

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	3.39	4.08	4.62	4.93	5.27	xxxxx	xxxxx
90	5.97	6.79	7.32	7.57	xxxxx	xxxxx	xxxxx
110	xxxxx	6.68	7.23	7.63	8.12	8.38	8.60
120	xxxxx	6.44	7.06	7.49	8.17	8.62	xxxxx
150	xxxxx	4.94	5.86	6.58	7.47	8.11	8.79
VMG Running	xxxxx	4.28	5.07	5.78	6.84	7.55	8.13