

2012 Vic-Maui Race Handicap Certificate

Boat Incantation Vic-Maui Handicap: -9 sec/mi.
 Type Santa Cruz 50 (Custom)
 Sail # 49071
 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: David Ratner

Dimensions as submitted:

main		foretriangle		spinnaker		hull		propellor	
P	53.33	I	61.1	Sym	<input checked="" type="checkbox"/>	LOA	51.50	blades	3
E	16.25	J	19	SPL	23.40	LWL	46.50	exposd	<input checked="" type="checkbox"/>
HB	0.33	LP	28.25	LLS	0.00	Bm	12.00	in app	<input checked="" type="checkbox"/>
MGU	6.83	LLJ	62.00	G+	0.00	Dr	9.08	fldg	<input checked="" type="checkbox"/>
MGM	11.83			Asym	<input checked="" type="checkbox"/>	Displ	18000	fthrg	<input checked="" type="checkbox"/>
Launch date	1981			Sprit	0.00	Ballast	7000	solid	<input checked="" type="checkbox"/>
Design Date	1978			SLU	68.50				
Keel type	fin			SLE	49.00				
				SGF	37.20				

VM factors

Disp/Length	74	1.000				-0.030%
Sail Area/Disp	40	0.997				0.285%
Sail Area/WS	3.42	0.992				0.761%
Keel & Rudder	fin	0.999	ratio	0.147		0.109%
Age Date	1979	0.987				1.294%
Total VM factor =						2.4%

Vic-Maui VPP 428.0 sec/mi 75.8 Feet
 V M Handicap correction 3.1 sec/mi 74.0 Feet
 VM constant -440 sec/mi
 Vic-Maui Handicap: -9 sec/mi

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	883.9	727.6	654.5	613.9	578.9	0.0	0.0
90	465.8	408.0	384.0	371.2	0.0	0.0	0.0
110	0.0	410.5	378.9	361.9	340.2	325.1	313.6
120	0.0	425.6	387.4	360.4	331.7	314.8	0.0
150	0.0	584.8	493.0	433.6	369.6	324.8	282.8
VMG Running	0.0	675.0	569.4	500.1	418.4	366.5	325.7

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	8.84	5.82	5.24	1.84	1.74	xxxxx	xxxxx
90	3.73	13.46	12.67	2.97	xxxxx	xxxxx	xxxxx
110	xxxxx	4.93	8.34	7.96	7.48	5.53	4.70
120	xxxxx	4.68	8.52	16.22	7.30	3.46	xxxxx
150	xxxxx	31.58	33.03	29.05	14.79	4.22	7.64
VMG Running	xxxxx	12.83	33.02	29.01	36.40	36.28	24.76

True wind angle	True wind speed						
	6	8	10	12	14	16	20
VMG Beating	4.07	4.95	5.50	5.86	6.22	xxxxx	xxxxx
90	7.73	8.82	9.38	9.70	xxxxx	xxxxx	xxxxx
110	xxxxx	8.77	9.50	9.95	10.58	11.07	11.48
120	xxxxx	8.46	9.29	9.99	10.85	11.44	xxxxx
150	xxxxx	6.16	7.30	8.30	9.74	11.08	12.73
VMG Running	xxxxx	5.33	6.32	7.20	8.60	9.82	11.05