



World Leader in Rating Technology

2014

ORC Club Certificate Appendix

BOAT

Name **TRUBLION** Certificate Number **14039a**
 Sail Nr **FRA-13786B** Issued On **11/03/2014**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1130.1	925.8	832.0	795.2	776.0	767.0	774.1
52°	733.0	606.3	557.3	542.4	534.9	530.6	527.9
60°	687.0	575.2	536.6	523.7	517.0	513.1	508.4
75°	652.2	555.6	520.8	502.1	491.3	485.1	480.8
90°	655.4	552.0	523.3	499.9	479.7	463.5	450.1
110°	672.2	556.7	513.8	486.6	471.7	458.9	439.7
120°	701.6	575.2	523.0	492.2	463.9	445.9	425.6
135°	796.4	647.4	558.0	517.9	488.9	460.3	404.7
150°	965.7	755.5	631.8	554.7	517.3	489.0	435.1
Run VMG	1115.0	872.4	727.8	624.8	558.1	520.2	465.5

Selected Courses

Windward / Leeward	1122.6	899.1	779.9	710.0	667.0	643.6	619.8
Circular Random	928.1	747.5	651.5	596.6	563.7	542.8	517.9
Ocean for PCS	990.6	781.3	665.6	595.6	549.9	517.3	470.4
Non Spinnaker	980.6	784.4	678.7	617.5	580.2	556.4	528.7

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	44.1°	42.7°	42.0°	40.7°	40.4°	40.4°	41.6°
Beat VMG	3.19	3.89	4.33	4.53	4.64	4.69	4.65
52°	4.91	5.94	6.46	6.64	6.73	6.79	6.82
60°	5.24	6.26	6.71	6.87	6.96	7.02	7.08
75°	5.52	6.48	6.91	7.17	7.33	7.42	7.49
90°	5.49	6.52	6.88	7.20	7.51	7.77	8.00
110°	5.36	6.47	7.01	7.40	7.63	7.84	8.19
120°	5.13	6.26	6.88	7.31	7.76	8.07	8.46
135°	4.52	5.56	6.45	6.95	7.36	7.82	8.89
150°	3.73	4.77	5.70	6.49	6.96	7.36	8.27
Run VMG	3.23	4.13	4.95	5.76	6.45	6.92	7.73
Gybe Angles	145.8°	151.7°	154.0°	168.4°	176.6°	179.0°	178.8°