

BOAT Name EVE Sail Nr 8565	GPH 562.4	HULL Length Overall 19.680m Maximum Beam 4.968m Displacement 33,621kg Draft 2.951m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.602% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class SWAN 65 Designer SPARKMAN&STEPHENS Builder NAUTOR Series 01/1981 Age 01/1981 Age Allowance 0.487% Offset File US13364.BOF - 4/12/2018 11:13:51 AM Measurement by Anderson - 24/11/2015		IMSL 15.222m VCGD -0.276m Sink 48.82kg/mm RL 10.179m VCGM -0.221m WS 71.05m² LSMO 15.092m Displacement/Length ratio 9.7807



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Rating Office
Australian Sailing Ltd
Locked Bag 806
Milsions Point
NSW 1565



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	545.9			618.0		
Time on Time	1.0992			1.0922		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	663.0	494.5	428.9	861.6	626.7	523.1
Time on Time	1.0181	1.3650	1.5738	0.7834	1.0770	1.2903

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1003.2	821.4	723.7	661.9	623.4	602.0	583.3
52°	646.9	543.5	480.1	438.9	419.0	409.5	401.7
60°	606.6	516.2	455.4	422.2	406.3	397.4	389.6
75°	577.0	493.9	437.8	410.9	395.9	385.4	375.3
90°	581.1	486.8	425.0	399.1	385.8	376.3	362.6
110°	576.0	474.0	416.5	393.3	379.6	370.3	359.3
120°	588.3	487.5	424.9	397.3	381.7	369.1	349.9
135°	656.2	535.2	460.1	415.1	393.5	379.3	354.6
150°	780.3	624.1	532.8	467.9	424.4	400.5	374.3
Run VMG	901.0	720.7	615.2	540.3	488.4	454.3	409.3

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VPP Ver. **2019 1.01**
Valid until **30/06/2020**

Crew Weight
Default **1,238kg**
Maximum **1,000kg**
Minimum* **750kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	589.5	1.0178
Non Spin OSN	574.8	1.0438

Selected Courses							
Windward / Leeward	952.1	771.1	669.4	601.1	555.9	528.2	496.3
Circular Random	789.2	631.9	545.1	493.0	460.3	439.0	414.0
Coastal / Long Distance	947.0	722.6	595.6	512.6	466.7	435.6	394.1
Non Spinnaker	833.8	665.0	571.2	514.0	477.3	452.7	422.7

Sails Limitations

Headsails	Spinnakers
7	5

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	44.5°	42.3°	41.4°	42.4°	42.6°	41.8°	40.9°
Beat VMG	3.59	4.38	4.97	5.44	5.77	5.98	6.17
52°	5.57	6.62	7.50	8.20	8.59	8.79	8.96
60°	5.93	6.97	7.91	8.53	8.86	9.06	9.24
75°	6.24	7.29	8.22	8.76	9.09	9.34	9.59
90°	6.19	7.40	8.47	9.02	9.33	9.57	9.93
110°	6.25	7.59	8.64	9.15	9.48	9.72	10.02
120°	6.12	7.38	8.47	9.06	9.43	9.75	10.29
135°	5.49	6.73	7.83	8.67	9.15	9.49	10.15
150°	4.61	5.77	6.76	7.69	8.48	8.99	9.62
Run VMG	4.00	5.00	5.85	6.66	7.37	7.92	8.80
Gybe Angles	142.4°	146.3°	147.9°	148.3°	152.2°	157.0°	171.6°

Class Division Length
CDL = **12.701**

Storm Sails Areas

Heavy Weather Jib	71.54
Storm Jib (JL=14.97)	26.50
Storm Trysail	19.87

Owner
Steve Capell C/- Steve
Fitzmaurice
18/16 Kings Cross Road
Potts Point
NSW 2011

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

Signature

BOAT	
Name EVE	Sail Nr 8565
File 2777	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 24/11/2015		SG 1.0250	
FFM 1.670	FF 1.730	SFFP 1.695	
FAM 1.251	FA 1.228	SAFP 17.384	
W1 68.8	PD1 52.5	WD 19.200	
W2 137.5	PD2 105.0	GSA 19.4	
W3 206.3	PD3 157.5	RSA 6400.0	
W4 275.0	PD4 210.0	PLM 2040.0	
LCF from stem on CL / on sheer		10.252 / 10.521	
Maximum beam station from stem		10.290	
RM Measured		894.8kg·m	
RM Default		745.8kg·m	
Limit of positive stability / Stab.Index		124.4° / 138.9	
Freeboard at mast at 7.420		1.435	



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RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay Adjustable	Runners 1		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 20.600	E 5.510	MDT1 0.240	MW 0.425
IG 22.865	J 7.420	MDL1 0.440	GO 0.475
ISP 23.035	SFJ 0.000	MDT2 0.225	BD 0.330
BAS 1.915	SPL 7.770	MDL2 0.425	MWT 895.00
FSP 0.100	TPS 8.480	TL 3.000	MCG 8.200

MIZZEN RIG AND SAILS			
PY 13.730	EY 3.680	MDL1Y 0.245	EB 6.980
IY 15.780	MDT1Y 0.166	MDL2Y 0.200	BASY 1.650
TLY 1.100	MDT2Y 0.140	BDY 0.138	
YSD 15.92	MHBY 0.10	MHWY 2.10	
YSMG 5.21	MUWY 0.62	MQWY 2.84	
YSF 8.84	MTWY 1.17	Area 27.59	

PROPELLER			
Installation Shaft exposed	PRD 0.580		
Type Feathering 3 blades	PBW 0.182		
Twin Screw No	PIPA 0.0167		
PSA 15.000	PHL 0.185	ST3 0.180	ESL 1.200
PSD 0.038	ST1 0.051	ST4 0.070	
PHD 0.940	ST2 0.120	ST5 0.290	

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COMMENTS	
Water Tanks all empty 230 ltr @7.0M 330 ltr @8.0M 213 ltr @ 8.0M 321 ltr @8.0M These watertanks all empty	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	MHB	MUW	MTW	MHW	MQW	Area Area (r) Formula
	0.220	1.13	2.04	3.51	4.56	67.35 68.11 P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	SLU	SLE	SL	SHW	SFL	246.66 SL · (SFL + 4·SHW) / 6
Asymmetric	SLU	SLE	SL	SHW	SFL	235.03 AS · (SFL + 4·SHW) / 6
	22.42	22.42	22.42	13.31	12.77	
	23.34	20.36	21.85	12.51	14.50	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.08	1.14	2.40	5.05	7.86	10.95	21.69	113.27			30/11/2015	Unknow	

MEASUREMENT INVENTORY				
Measurer Anderson 2015				
Date 24/11/2015				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
OR	Anchor	285.0	4.60	*Legacy Anchor*
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR	200hp Twin	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

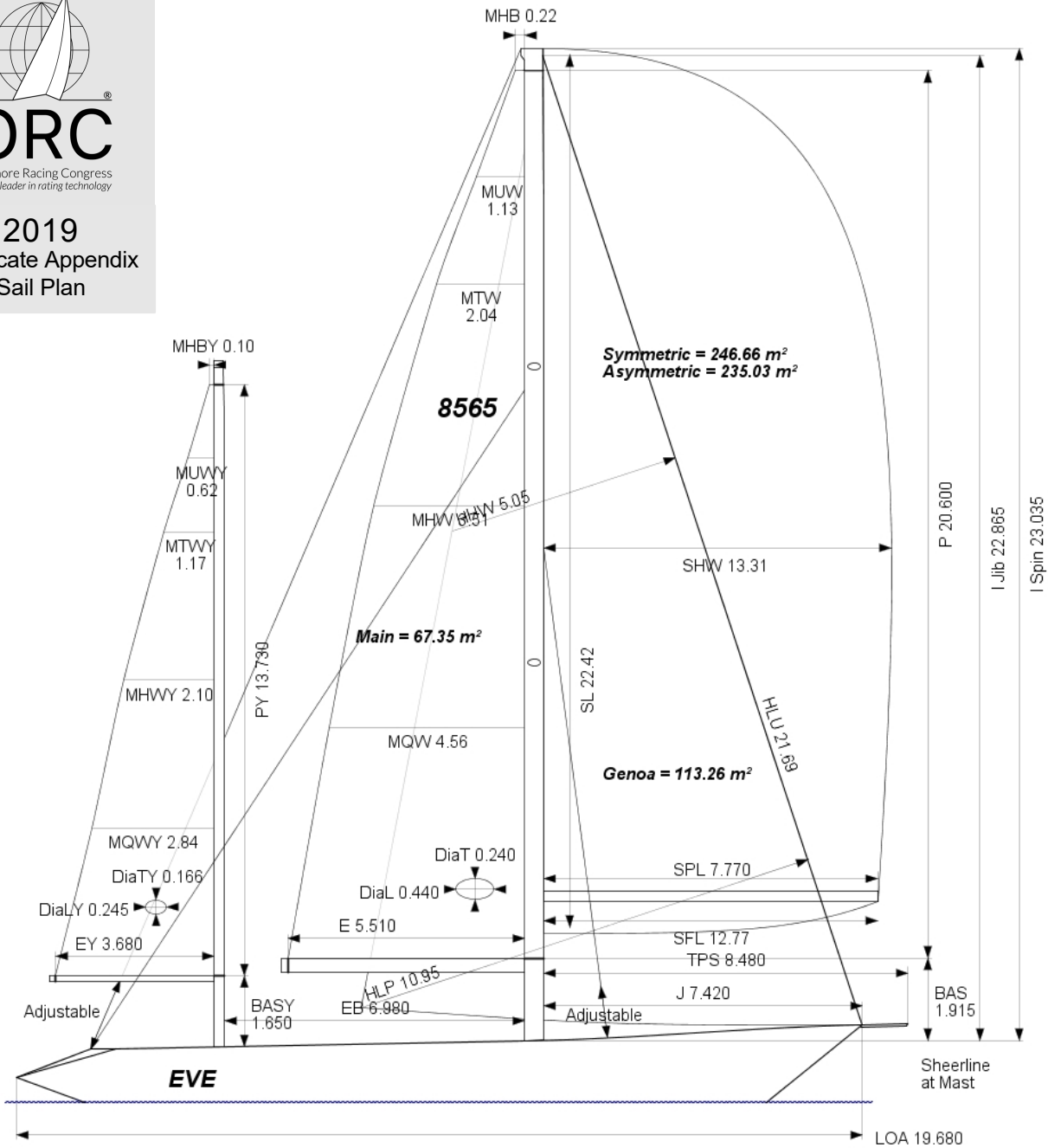
MEASUREMENT INVENTORY									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condn</i>	<i>Description</i>	
1	Tank	Water	S/S	203.0	7.00		450.0	Starboard	
4	Tank	Fuel	S/S	264.0	10.60		80.0		
3	Tank	Fuel	S/S	254.0	10.60		80.0		
2	Tank	Fuel	S/S	246.0	9.30		80.0		
1	Tank	Fuel	S/S	230.0	9.30		80.0		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>				
3	Battery		3.60		Engine				
2	Battery		3.60		House				
1	Battery		4.20		Bow Thruster				
3	Misc	100.0	3.43		ANCHOR WINCH				
2	Misc	100.0	4.30		BOW THRUSTER				
1	Misc	500.0	13.50		ONAN GEN SET				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.22	1.13	2.04	3.51	4.56	66.83	Anderson	30/11/2015		Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.08	1.14	2.40	5.05	7.86	10.95	21.69	148%	113.27			Andrson	30/11/2015		Unknow	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	22.42	22.42	22.42	13.31	12.77	246.66	Anderson	30/11/2015		Unknown	

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	23.34	20.36	21.85	12.51	14.50	235.04	asym	Anderson	30/11/2015		Nylon	