

BOAT Name PURSUIT Sail Nr USA-23798	GPH 562.2	HULL Length Overall 14.530m Maximum Beam 3.154m Displacement 8,643kg Draft 2.651m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.015% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL Class Custom 47 Designer DAWLEY Builder BOAT CO. OF MYST Series 06/1980 Age 06/1980 Age Allowance 0.487% Offset File US15849A.OFF - 17/03/2003 13:43:36 Measurement by Dobbs Davis - 23/03/2017		IMSL 11.693m VCGD -0.254m Sink 22.76kg/mm RL 10.281m VCGM -0.252m WS 33.02m² LSMO 11.361m Displacement/Length ratio 5.8941



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time On Distance	548.6			614.0	
Time On Time	1.0937			1.0993		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	640.7	499.0	445.3	835.7	618.6	532.6
Time on Time	1.0535	1.3528	1.5158	0.8077	1.0912	1.2673

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	943.0	780.9	698.3	658.6	636.6	624.5	606.6
52°	613.0	510.5	469.0	454.5	447.1	442.4	436.6
60°	574.8	484.8	453.1	441.0	434.3	429.9	424.8
75°	541.9	467.6	441.3	425.5	416.1	409.9	402.9
90°	541.9	466.9	439.2	421.4	405.5	392.7	380.7
110°	568.6	469.8	437.2	424.1	411.9	400.1	376.2
120°	586.5	480.4	440.6	417.4	401.9	389.9	369.0
135°	655.9	528.4	462.7	434.1	411.5	388.1	347.6
150°	779.3	622.8	523.4	465.9	436.8	415.5	372.7
Run VMG	899.9	719.2	604.3	532.2	487.3	451.8	408.5

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	921.5	750.0	651.3	595.4	561.9	538.2	507.6
Circular Random	771.4	623.9	545.5	500.4	472.4	453.6	428.3
Ocean for PCS	950.7	735.2	614.0	540.3	492.7	459.6	414.0
Non Spinnaker	823.1	660.6	572.5	520.5	487.9	466.0	437.8

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.5°	42.9°	42.0°	40.3°	39.2°	38.7°	37.7°
Beat VMG	3.82	4.61	5.16	5.47	5.66	5.76	5.93
52°	5.87	7.05	7.68	7.92	8.05	8.14	8.25
60°	6.26	7.43	7.94	8.16	8.29	8.37	8.47
75°	6.64	7.70	8.16	8.46	8.65	8.78	8.94
90°	6.64	7.71	8.20	8.54	8.88	9.17	9.46
110°	6.33	7.66	8.23	8.49	8.74	9.00	9.57
120°	6.14	7.49	8.17	8.62	8.96	9.23	9.76
135°	5.49	6.81	7.78	8.29	8.75	9.27	10.36
150°	4.62	5.78	6.88	7.73	8.24	8.66	9.66
Run VMG	4.00	5.01	5.96	6.76	7.39	7.97	8.81
Gybe Angles	142.4°	146.7°	148.5°	154.7°	164.1°	180.0°	180.0°

Certificate

Number **US6186**
ORC Ref **USA00000954**
Issued On **09/05/2017**
VPP Ver. **2017 1.00**
Valid until **28/02/2018**

Crew Weight

Declared **680kg**
Default* **826kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **590.6 1.0159**
Non Spin OSN **577.2 1.0395**

Sails Limitations

Headsails	Spinnakers
6	4

Class Division Length

CDL = **10.988**

Storm Sails Areas

Heavy Weather Jib **33.93**
Storm Jib (JL=10.30) **12.57**
Storm Trysail **16.12**

Owner

BOAT	
Name PURSUIT	Sail Nr USA-23798
File US6186	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 23/03/2017		SG 1.0100	
FFM 1.285	FF 1.292	SFFP 0.524	
FAM 0.826	FA 0.831	SAFP 14.149	
W1 73.2	PD1 467.5	WD 14.005	
W2 73.2	PD2 468.1	GSA 1.0	
W3 73.2	PD3 467.8	RSA 1.0	
W4 73.2	PD4 468.2	PLM 9000.0	
LCF from stem on CL / on sheer		8.043 / 8.195	
Maximum beam station from stem		8.531	
RM Measured		172.5kg·m	
RM Default		178.6kg·m	
Limit of positive stability / Stab.Index		128.9° / 137.0	
Freeboard at mast at 5.529		0.998	

RIG			
Forestay Tension Aft	Spreaders 3		
Inner Stay Fixed	Runners 2		
Carbon Mast No	Jumper Struts Yes		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 16.770	E 5.492	MDT1 0.122	MW 0.204
IG 15.782	J 4.877	MDL1 0.204	GO 0.226
ISP 18.386	SFJ 0.652	MDT2 0.101	BD 0.180
BAS 1.433	SPL 5.544	MDL2 0.134	MWT 294.00
FSP 0.067	TPS 0.000	TL 2.832	MCG 5.470

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.405		
Type Feathering 3 blades	PBW 0.137		
Twin Screw No	PIPA 0.0042		
PSA 20.000	PHL 0.125	ST3 0.101	ESL 0.713
PSD 0.024	ST1 0.010	ST4 0.050	
PHD 0.064	ST2 0.101	ST5 0.163	

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.190	1.17	2.06	3.54	4.60	54.77	55.74	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	17.92	17.92	17.92	8.63	8.63	128.87		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	19.50	17.47	18.48	9.88	9.88	152.19		AS · (SFL + 4·SHW) / 6	

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
0.12	1.03	1.96	3.83	5.72	7.55	16.00	61.27			01/06/2016		



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IMS Measurement Certificate

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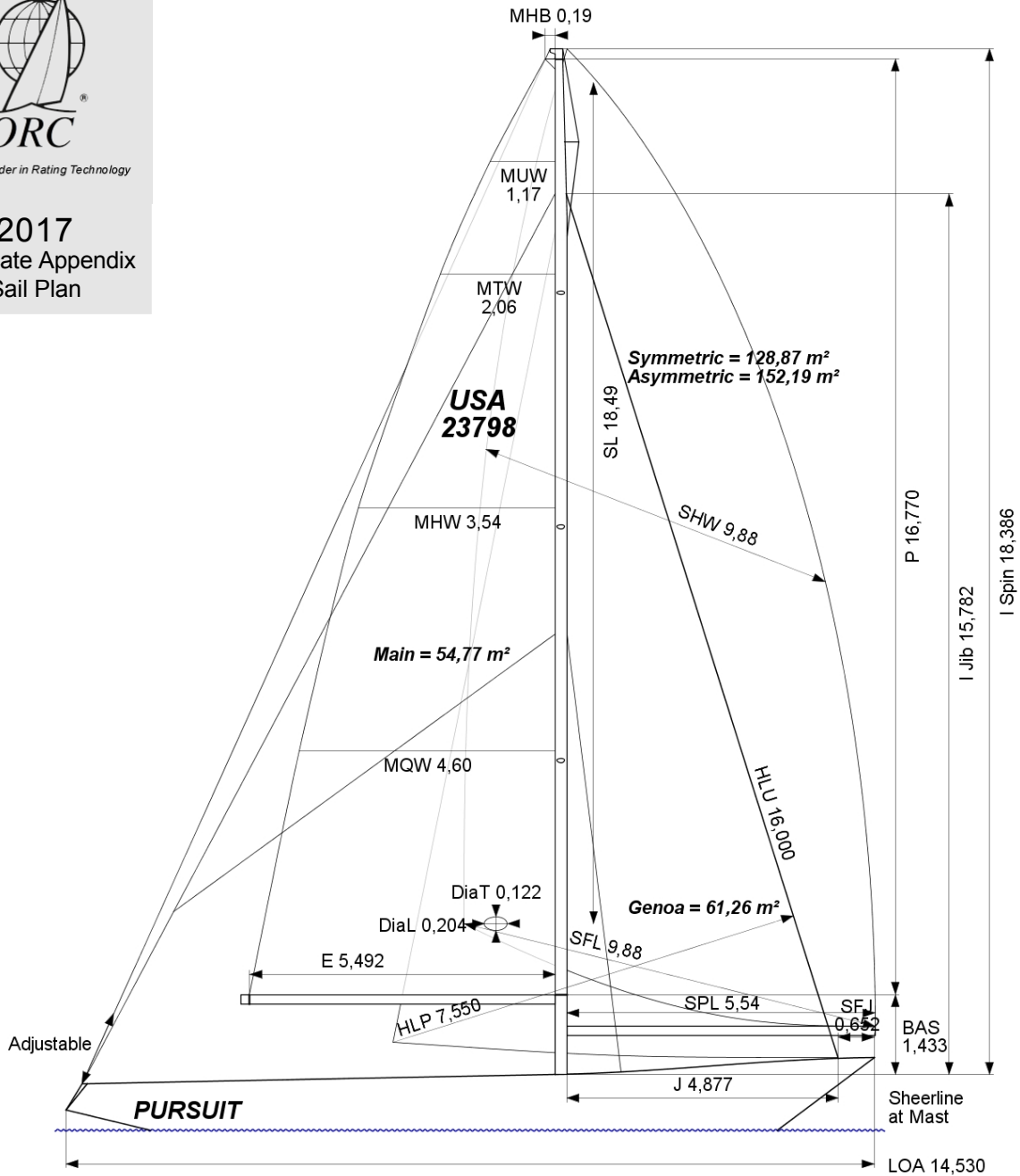


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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.190	1.17	2.06	3.54	4.60	54.77	J. Latell	13/04/2017	Ullman		

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.12	1.03	1.96	3.83	5.72	7.55	16.00	155%	61.27			G.	01/06/2016	Evolution		

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	17.92	17.92	17.92	8.63	8.63	128.87					Legacy

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	19.50	17.47	18.48	9.88	9.88	152.19	asym	Hemamali	02/04/2013	North	Nylon	