

BOAT
Name SLY Sail Nr 93664

GPH
551.3

HULL
Length Overall 13.305m
Maximum Beam 4.054m
Displacement 9,651kg
Draft 2.348m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0.082%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Crew Arm Extension
IMSL 12.375m VCGD -0.085m Sink 27.62kg/mm
RL 10.541m VCGM -0.073m WS 37.17m²
LSM0 12.176m Displacement/Length ratio 5.3464



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GENERAL
Class Xp 44
Designer JEPPESEN
Builder X YACHTS
Series 12/2010
Age 07/2016
Age Allowance 0.292%
Offset File xp44sd.off - 10/05/2017 17:47:24
Measurement by - 17/03/2016

Rating Office

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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	536.9			601.6		
Time on Time	1.1175			1.1220		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	628.1	489.1	438.3	813.3	603.4	527.8
Time on Time	1.0747	1.3800	1.5402	0.8300	1.1187	1.2790



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	946.0	776.2	686.7	650.4	635.0	628.3	614.1
52°	614.6	514.4	466.2	449.4	442.9	439.8	433.3
60°	578.3	490.0	451.9	436.6	430.2	426.8	421.9
75°	550.1	473.3	441.9	425.5	414.2	407.2	401.0
90°	554.1	468.3	441.1	423.1	408.1	394.1	374.4
110°	546.4	457.9	425.9	408.4	396.7	385.5	364.2
120°	559.0	464.0	428.4	405.1	383.5	369.0	347.0
135°	618.7	501.1	445.9	419.5	395.7	371.1	322.9
150°	734.1	591.7	499.6	448.0	422.4	400.3	355.1
Run VMG	847.7	683.3	576.9	511.6	471.5	439.0	395.7

Certificate

Number **US6008**
ORC Ref **USAX0239DPQ**
Issued On **27/03/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Selected Courses							
Windward / Leeward	896.9	729.7	631.8	581.0	553.2	533.6	504.9
Circular Random	755.7	611.5	535.0	491.1	464.2	446.1	420.9
Coastal / Long Distance	891.9	684.5	570.1	507.6	474.4	447.9	403.6
Non Spinnaker	827.2	661.8	572.0	519.3	486.6	464.9	436.9

Crew Weight

Default 912kg
Maximum **912kg**
Minimum* **684kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

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	43.4°	41.8°	40.9°	40.0°	39.4°	39.1°	39.4°
Beat VMG	3.81	4.64	5.24	5.54	5.67	5.73	5.86
52°	5.86	7.00	7.72	8.01	8.13	8.19	8.31
60°	6.23	7.35	7.97	8.25	8.37	8.44	8.53
75°	6.54	7.61	8.15	8.46	8.69	8.84	8.98
90°	6.50	7.69	8.16	8.51	8.82	9.13	9.62
110°	6.59	7.86	8.45	8.82	9.07	9.34	9.88
120°	6.44	7.76	8.40	8.89	9.39	9.76	10.37
135°	5.82	7.18	8.07	8.58	9.10	9.70	11.15
150°	4.90	6.08	7.21	8.04	8.52	8.99	10.14
Run VMG	4.25	5.27	6.24	7.04	7.63	8.20	9.10
Gybe Angles	143.4°	146.0°	148.3°	155.2°	164.0°	180.0°	180.0°

Special Scoring

ToD ToT
Non Spin GPH **590.5** **1.0161**
Non Spin OSN **575.0** **1.0435**

Sails Limitations	
Headsails 6	Spinnakers 4

Class Division Length

CDL = **11.459**

Storm Sails Areas

Heavy Weather Jib **45.30**
Storm Jib (JL=11.91) **16.78**
Storm Trysail **18.68**

Owner

BOAT	
Name SLY	Sail Nr 93664
File US6008	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 17/03/2016		SG 1.0100
FFM 1.484	FF 1.491	SFFP 0.744
FAM 1.206	FA 1.210	SAFP 13.259
W1 115.6	PD1 438.1	WD 12.235
W2 115.6	PD2 438.1	GSA 1.0
W3 115.6	PD3 438.1	RSA 1.0
W4 115.6	PD4 438.1	PLM 9000.0
LCF from stem on CL / on sheer		7.425 / 7.683
Maximum beam station from stem		9.119
RM Measured		254.2kg-m
RM Default		265.7kg-m
Limit of positive stability / Stab.Index		125.1° / 130.4
Freeboard at mast at 5.256		1.333



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RIG			
Forestay Tension Aft	Spreaders 2		Runners 0
Inner Stay None Fitted	Jumper Struts None		Jib Furler
Carbon Mast Yes	Main Furler No		Without Backstay No
Taper Hollows No	Without Backstay No		
Fiber Rigging No			
Lenticular Rigging No			
Articulated Bowsprit No			
P 17.923	E 5.955	MDT1 0.134	MW 0.262
IG 18.250	J 4.971	MDL1 0.262	GO 0.280
ISP 19.720	SFJ 0.285	MDT2 0.119	BD 0.305
BAS 1.795	SPL 5.846	MDL2 0.193	MWT 259.40
FSP 0.080	TPS 5.846	TL 1.180	MCG 6.201

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.430	
Type Feathering 3 blades	PBW 0.120	
Twin Screw	PIPA 0.0042	
ST1 0.050	ST3 0.180	ST5 0.320
ST2 0.180	ST4 0.112	EDL 2.650

COMMENTS

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.160	1.29	2.26	3.87	5.01	63.79	65.00	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	178.50		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL	185.23		AS · (SFL + 4·SHW) / 6	
	21.61	18.62	20.11	10.92	11.57				

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
0.09	0.74	1.39	2.67	4.00	5.33	18.16	48.85	Y				2016 JIB1

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
a	Ancher	0-0	0-00	
Id	Item	Weight Description		

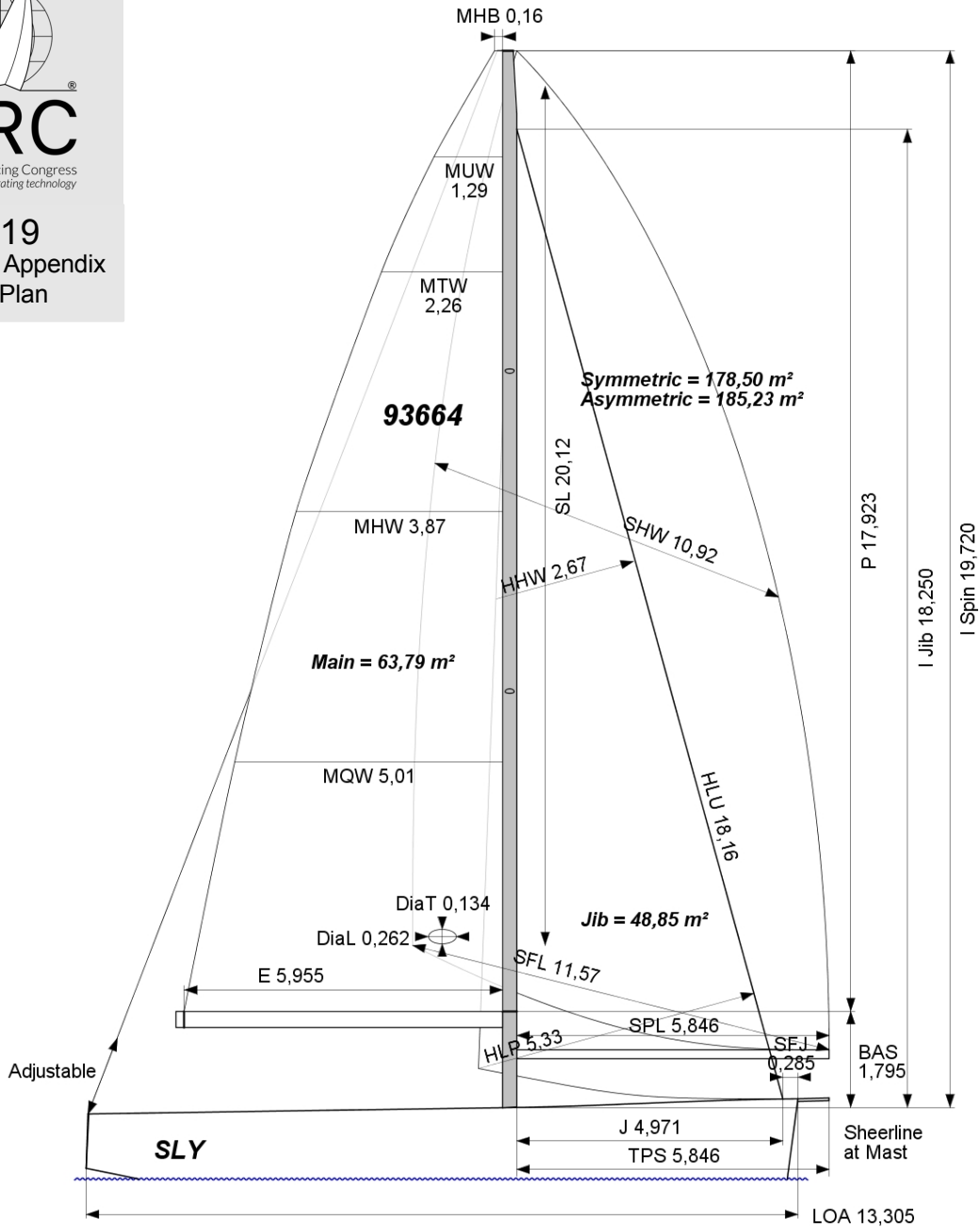
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
	Tank					0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1128188	0.16	1.29	2.26	3.87	5.01	63.80					2016 MAIN1					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1128201	0.09	0.74	1.39	2.67	4.00	5.33	18.16	107%	48.85	Y						2016 JIB1
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1577482	20.38	20.38	20.38		10.46	178.50										
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1577475	21.61	18.62	20.12	10.92	11.57	185.23	asym					A1				