

BOAT Name Interlodge 44 Sail Nr USA 4415	GPH 463.5	HULL Length Overall 13.400m Maximum Beam 3.998m Displacement 4,858kg Draft 3.148m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation Hull Construction Carbon, Aramid Carbon Rudder Yes Crew Arm Extension
GENERAL Class Botin 44 Designer Botin Builder NEBW Series 01/2015 Age 01/2015 Age Allowance 0.065% Offset File BP277a.off - 28/09/2017 14:54:10 Measurement by Williams - 27/09/2017		IMSL 12.889m VCGD -1.653m Sink 24.11kg/mm RL 14.706m VCGM -1.651m WS 31.09m² LSMO 12.464m Displacement/Length ratio 2.5089



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	450.1			514.5		
Time On Time	1.3329			1.3119		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	539.9	411.9	342.5	702.4	522.3	434.7
Time on Time	1.2503	1.6387	1.9709	0.9610	1.2923	1.5529

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	800.0	644.9	579.1	550.6	534.8	521.8	511.4
52°	516.2	432.7	404.1	386.3	373.9	363.8	345.5
60°	480.4	417.4	384.0	363.8	351.0	342.0	320.6
75°	452.9	403.7	360.9	332.4	316.9	306.0	284.2
90°	452.8	405.2	361.5	319.4	290.9	276.0	255.6
110°	472.4	404.7	362.2	332.9	306.6	281.9	222.8
120°	490.5	412.4	360.5	326.7	304.5	277.1	229.1
135°	551.1	439.7	394.1	348.6	304.5	267.4	230.5
150°	662.4	519.5	445.2	399.4	362.6	320.3	242.0
Run VMG	764.9	599.8	514.0	463.8	418.7	369.9	279.5

Certificate

Number **US6225**
ORC Ref **USA00001136**
Issued On **13/10/2017**
VPP Ver. **2017 1.00**
Valid until **28/02/2018**

Crew Weight

Declared **999kg**
Default* **942kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	499.5	1.2012
Non Spin OSN	488.4	1.2286

Selected Courses	782.4	622.4	546.6	507.2	476.7	445.8	395.5
Windward / Leeward	782.4	622.4	546.6	507.2	476.7	445.8	395.5
Circular Random	647.5	520.5	450.4	406.6	375.7	351.4	312.7
Ocean for PCS	801.5	614.3	507.1	438.5	389.6	351.1	291.1
Non Spinnaker	705.8	563.7	484.6	435.3	401.5	376.2	338.3

Sails Limitations

Headsails	Spinnakers
7	5

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	43.8°	42.2°	38.8°	36.7°	35.5°	34.6°	34.8°
Beat VMG	4.50	5.58	6.22	6.54	6.73	6.90	7.04
52°	6.97	8.32	8.91	9.32	9.63	9.90	10.42
60°	7.49	8.62	9.38	9.90	10.26	10.53	11.23
75°	7.95	8.92	9.98	10.83	11.36	11.76	12.67
90°	7.95	8.88	9.96	11.27	12.37	13.04	14.09
110°	7.62	8.90	9.94	10.82	11.74	12.77	16.16
120°	7.34	8.73	9.99	11.02	11.82	12.99	15.71
135°	6.53	8.19	9.14	10.33	11.82	13.46	15.62
150°	5.43	6.93	8.09	9.01	9.93	11.24	14.87
Run VMG	4.71	6.00	7.00	7.76	8.60	9.73	12.88
Gybe Angles	141.2°	143.2°	148.8°	151.6°	146.8°	140.8°	142.7°

Class Division Length

CDL = 13.799

Storm Sails Areas

Heavy Weather Jib **43.65**
Storm Jib (JL=11.69) **16.17**
Storm Triesail **19.84**

Owner

BOAT	
Name Interlodge 44	Sail Nr USA4415
File US6225	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 27/09/2017		SG 1.0230	
FFM 1.334	FF 1.335	SFFP 0.150	
FAM 0.988	FA 0.988	SAFP 13.395	
W1 141.0	PD1 453.2	WD 11.980	
W2 141.0	PD2 453.2	GSA 1.0	
W3 141.0	PD3 453.2	RSA 1.0	
W4 141.0	PD4 453.2	PLM 9000.0	
LCF from stem on CL / on sheer		7.353 / 7.608	
Maximum beam station from stem		8.933	
RM Measured		293.5kg·m	
RM Default		205.5kg·m	
Limit of positive stability / Stab.Index		148.7° / 145.6	
Freeboard at mast at 5.800		1.083	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows	Jib Furler		
Fiber Rigging Yes	Main Furler		
Lenticular Rigging	Without Backstay		
Articulated Bowsprit No			
P 18.400	E 6.160	MDT1 0.128	MW 0.260
IG 17.933	J 5.510	MDL1 0.260	GO 0.275
ISP 20.243	SFJ 0.290	MDT2 0.095	BD 0.290
BAS 1.903	SPL 0.000	MDL2 0.155	MWT 141.00
FSP 0.070	TPS 7.970	TL 2.400	MCG 6.530



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IMS Measurement Certificate

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.380		
Type Feathering 2 blades	PBW 0.099		
Twin Screw	PIPA 0.0037		
ST1 0.049	ST3 0.180	ST5 0.275	
ST2 0.180	ST4 0.109	EDL 1.700	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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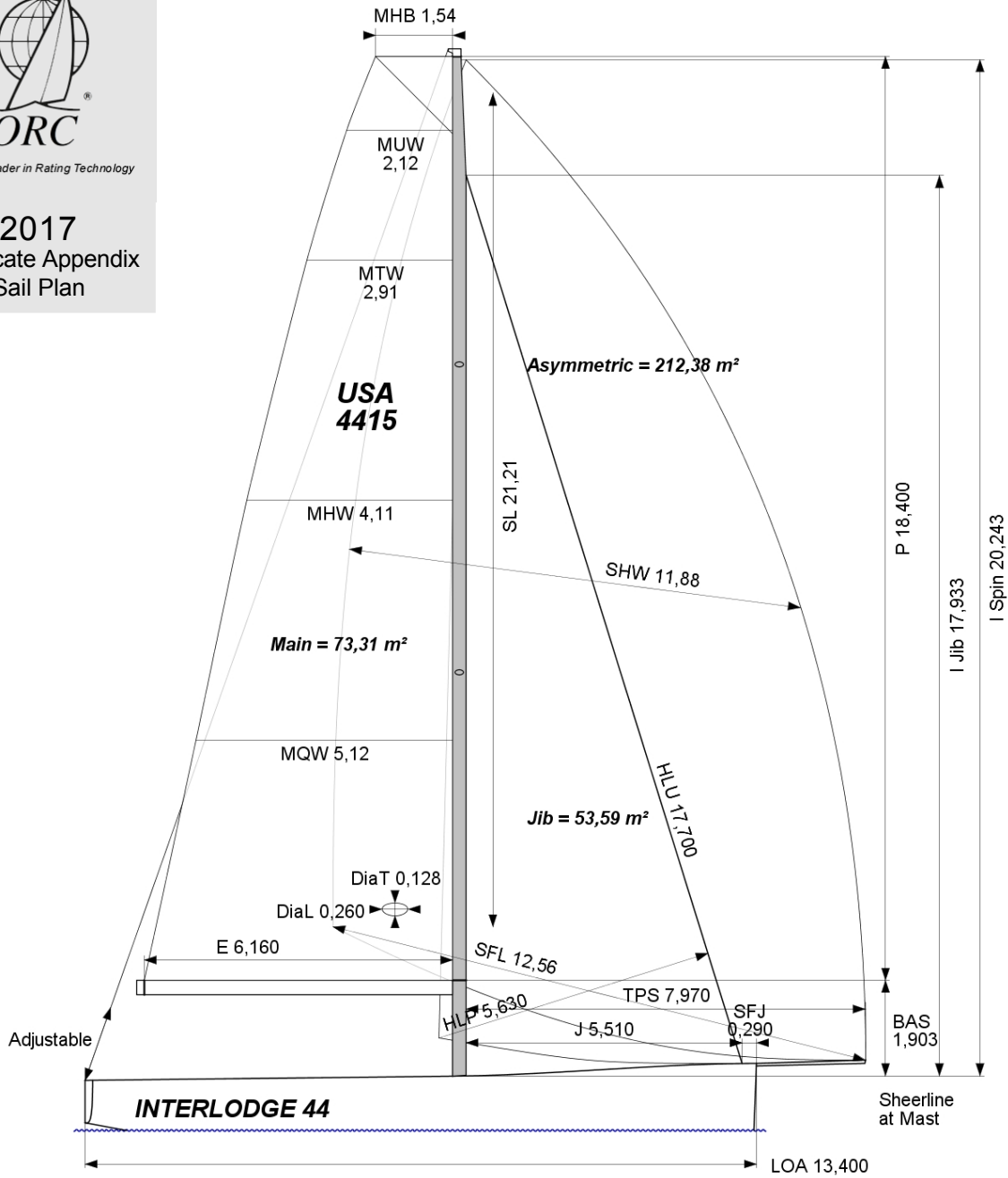
SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.540	2.12	2.91	4.11	5.12	73.31	74.96	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric									
Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	22.98	19.44	21.21	11.88	12.56	212.38	AS · (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
0.08	0.95	1.70	3.05	4.57	5.63	17.70	53.60	Y			Unknow	



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
108516	1.540	2.12	2.91	4.11	5.12	73.31				Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
IRC	0.08	0.95	1.70	3.05	4.57	5.63	17.70	102%	53.60	Y						Unknow

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
107278	22.98	19.44	21.21	11.88	12.56	212.38	asym			QUANTUM	Unknown	A2-3