

BOAT Name Interlodge 44 Sail Nr USA 4415	GPH 462.4	HULL Length Overall 13.400m Maximum Beam 3.998m Displacement 4,918kg Draft 3.150m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No 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 0.130% Offset File BP277b.off - 18/06/2019 14:42:58 Measurement by - 27/09/2017		IMSL 12.932m VCGD -1.141m Sink 24.37kg/mm RL 14.779m VCGM -1.141m WS 31.32m² LSM0 12.514m Displacement/Length ratio 2.5096



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	449.8			509.0		
Time on Time	1.3340			1.3262		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	526.6	413.9	351.7	678.3	517.9	436.0
Time on Time	1.2817	1.6309	1.9195	0.9952	1.3034	1.5482

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	749.8	615.6	569.5	549.3	536.7	523.2	515.8
52°	488.9	425.6	405.3	392.6	384.0	374.0	359.9
60°	462.0	413.0	387.8	373.3	364.0	356.0	338.0
75°	445.9	402.4	366.7	345.8	333.6	325.3	304.7
90°	449.8	406.4	366.3	332.2	310.5	297.8	281.3
110°	472.1	407.0	370.5	343.0	319.4	293.3	248.0
120°	487.6	412.7	364.6	334.5	314.1	288.5	248.5
135°	543.9	437.3	392.2	347.0	304.9	273.1	237.7
150°	653.4	513.6	442.2	396.5	359.9	317.7	246.5
Run VMG	754.5	593.0	510.6	461.4	415.6	366.8	284.7

Certificate
Number **US6225**
ORC Ref **USAX02A4HM4**
Issued On **18/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **948kg**
Maximum **999kg**
Minimum* **749kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	499.0	1.2024
Non Spin OSN	488.5	1.2282

Selected Courses							
Windward / Leeward	752.1	604.3	540.0	505.3	476.2	445.0	400.2
Circular Random	635.1	515.0	449.9	409.8	381.9	360.0	326.1
Coastal / Long Distance	752.4	570.8	486.7	432.9	397.6	362.6	307.6
Non Spinnaker	695.6	559.5	484.6	438.5	407.2	383.8	349.3

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	43.0°	40.2°	37.3°	35.9°	35.0°	34.1°	34.3°
Beat VMG	4.80	5.85	6.32	6.55	6.71	6.88	6.98
52°	7.36	8.46	8.88	9.17	9.37	9.63	10.00
60°	7.79	8.72	9.28	9.64	9.89	10.11	10.65
75°	8.07	8.95	9.82	10.41	10.79	11.07	11.82
90°	8.00	8.86	9.83	10.84	11.59	12.09	12.80
110°	7.63	8.84	9.72	10.50	11.27	12.27	14.52
120°	7.38	8.72	9.87	10.76	11.46	12.48	14.49
135°	6.62	8.23	9.18	10.37	11.81	13.18	15.14
150°	5.51	7.01	8.14	9.08	10.00	11.33	14.60
Run VMG	4.77	6.07	7.05	7.80	8.66	9.81	12.65
Gybe Angles	141.3°	142.3°	149.1°	151.8°	144.1°	143.2°	143.3°

Class Division Length
CDL = **13.856**

Storm Sails Areas
Heavy Weather Jib **43.83**
Storm Jib (JL=11.72) **16.24**
Storm Trysail **19.78**

Owner

BOAT		
Name Interlodge 44	Sail Nr USA 4415	
File US6225	Data in meters/kilograms	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 06/06/2019	SG 1.0150	
FFM 1.344	FF 1.347	SFFP 0.150
FAM 0.983	FA 0.984	SAFP 13.395
W1 149.7	PD1 574.1	WD 12.432
W2 149.7	PD2 574.1	GSA 1.0
W3 149.7	PD3 574.1	RSA 1.0
W4 149.7	PD4 574.1	PLM 9000.0
LCF from stem on CL / on sheer	7.401 / 7.655	
Maximum beam station from stem	8.933	
RM Measured	255.3kg-m	
RM Default	207.9kg-m	
Limit of positive stability / Stab.Index	141.1° / 138.1	
Freeboard at mast at 5.790	1.083	



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RIG		
Forestay Tension Aft	Spreaders 2	
Inner Stay None Fitted	Runners 1	
Carbon Mast Yes	Jumper Struts None	
Taper Hollows	Jib Furler No	
Fiber Rigging No	Main Furler No	
Lenticular Rigging No	Without Backstay No	
Articulated Bowsprit No		
P 18.400	E 6.140	MDT1 0.130 MW 0.262
IG 17.945	J 5.500	MDL1 0.298 GO 0.284
ISP 20.196	SFJ 0.290	MDT2 0.102 BD 0.355
BAS 1.935	SPL 0.000	MDL2 0.155 MWT 192.00
FSP 0.070	TPS 7.970	TL 3.239 MCG 6.740

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		

MOVABLE BALLAST		
N/A		

BILGEBOARD		
BS	BT	BA
BF	BX	
BC	BY	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.490	2.12	2.92	4.15	5.20	73.91	75.66	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	23.03	19.59	21.31	11.81	12.56	212.39	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	53.59	Y				

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
a	Anchor	0.0	0.00	
Id	Item	Weight	Description	

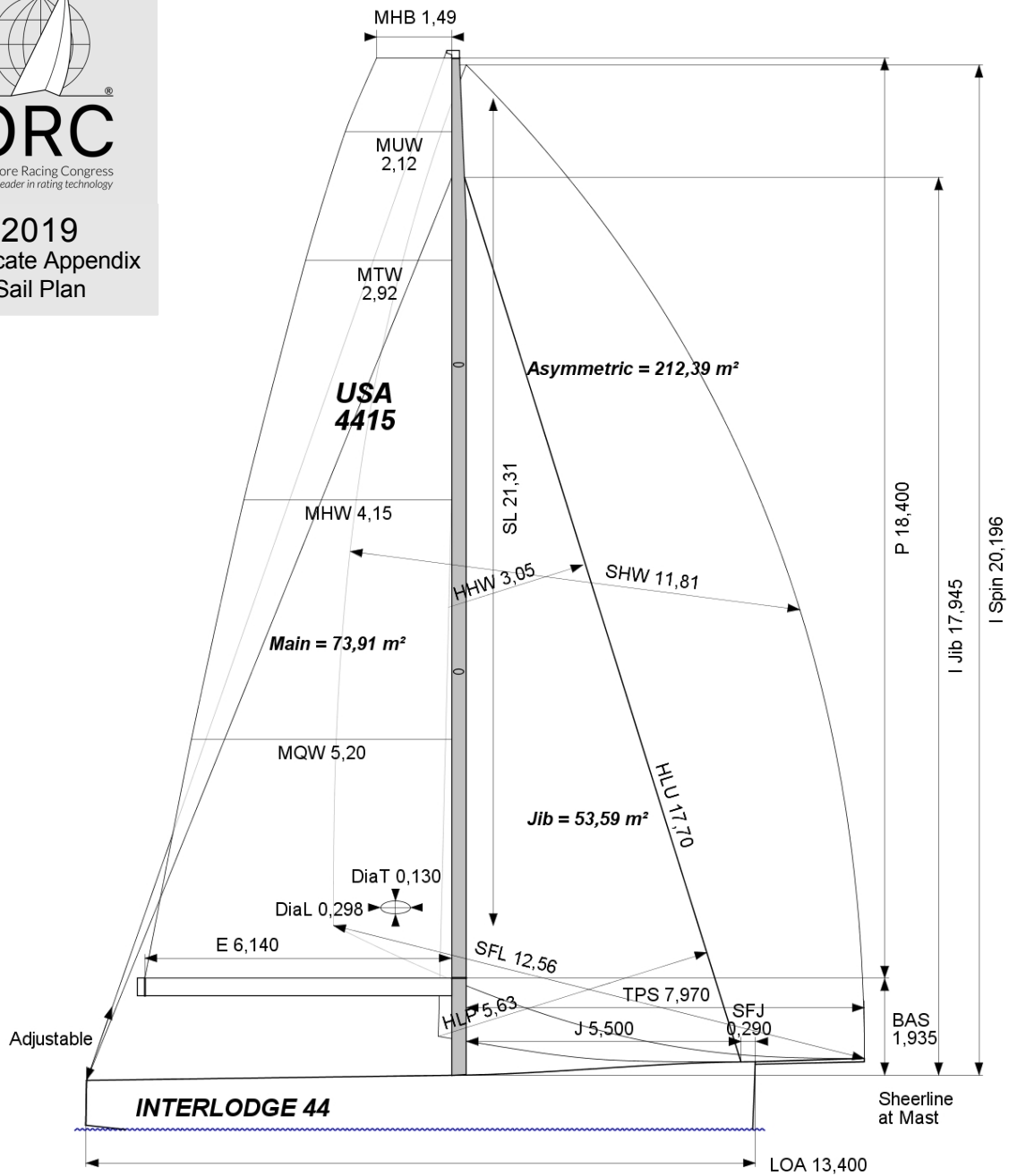
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
		Tank				0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1958247	1.49	2.12	2.92	4.15	5.20	73.80			ANDREW		2018 mainsail					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1575415	0.08	0.95	1.70	3.05	4.57	5.63	17.70	102%	53.59	Y						
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2568807	23.03	19.59	21.31	11.81	12.56	212.39	asym			CHARLIE		A2-3				