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INTERNATIONAL TWELVE METRE CLASS

Yacht's Name		Weath	erly			
National letters and Sail Number	USA 17	Club				
Designer	Rhodes					
Builder	Luders		Building Year 1958			
Owner	Mr George Hill					
Owner's Address	Johns Street, N	lewport RI USA				
Lloyds R class certificate (Number or Date)	Lloyds					
APPENDIX E RATING CERTIFICATE						
This yacht has been measured by measu and has been four		y the International To than 12.000 metre				
This certificate is dated	August 2, 2017					
Measurer	A Williams	Signatur	e Ander L			
Valid until	August 2, 2019		M. A.			
Supersedes	July 31, 2015		World			
Lhillpino		37	NTERNATIONAL TWELVE METRE ASSOCIATION			

Signature _

ITMA Technical Director

Stamp of Authority of the International Twelve Metre Association

RATING CALCULATION

OVERALL LENGTH			20.998
Overhang Forward to L1		2.665	
Overhang Aft to L1		2.690]
Total Overhang (Subtract)		5.355	<u></u>
MEASURED LENGTH (L1 L1)		<u></u>	15.643
Girth at Bow		1.586	
Twice vertical Height at Bow (Subtract)		1.200	
O at Bow		0.386	
Add 1 1/2 O at Bow (min 0.540 m)		0.579	
Girth at Stern		3.145	
Twice vertical Height at Stern (Subtract)		2.020	
O at Stern		1.125	
Add 1/3 O at Stern (min 0.400 m)		0.400	
Add any penalty (Beam)		0.000	
Sum of Length and Girth Corrections			16.622
Age Date and Allowance	1958 Allowand	ce 0.965	
CORRECT LENGTH L			16.040
Skin d to d1 Port		2.142	
Chain d to d1 Port		2.120	
d Port		0.022	
Skin d to d1 Starboard		2.153	
Chain d to d1 Starboard		2.131	
d Starboard		0.022	
Add d		0.044	
Add GIRTH 2 d			0.088
Mean Freeboard Bow O	Actual	1.370 1.370	
Mean Freeboard Midship d	Actual	1.072 1.072	
Mean Freeboard Stern O	Actual	1.190 1.190	
Sum of Freeboards		3.632	
Subtract FREEBOARD, F		Pre 1983	1.210
Add SAIL AREAS (Square root)			13.326
TOTAL OF MEASUREMENTS			28.244
PENALTY (Tumblehome)		0.009]
RATING		<u>-</u>	11.926
Date and place of Measurement	August 2, 2017	Ander	
Measurer's Name(s)	A Williams	Signature	

PENALTIES

Overhang Forward to L	3.173
Overhang Aft to L	3.454
Subtract from overall length	6.627
Difference of imersion from salt to fresh water	
WATERLINE LENGTH	14.371
Minimum Displacement for Zero Penalty [m3]	27.659
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	28.350
WEIGHT [ton] Additional weight	
Equivalent LWL (for Displ. < min.)	0.000
Difference	0.000
DISPLACEMENT PENALTY (add to L)	Appendix E 0.000
DRAUGHT (actual)	2.835
Max. Draught for Zero Penalty	2.799
Difference (if positive)	0.036
DRAUGHT PENALTY (add to Rating)	Appendix E 0.000
BEAM (Min)	
Max Beam at 1/3 of Midship Freeboard	3.610
Difference (if positive)	0.000
BEAM PENALTY (add to L)	0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.151
Extreme Beam	3.764
Beam at deck	3.610
Difference (if positive)	0.003
TUMBLEHOME PENALTY (add to Rating)	0.009
TOMBLE TOME I LIVALTI (add to Hatting)	0.009

August 2, 2017

A Williams

Ander w

Signature

Date and place of Measurement

Measurer's Name(s)

	Yacht's name : Weatherly	USA 17	August 2, 2017				
SAIL PLAN							
Max Height of Sail Plan =	25.000 J= 7.010	l =	18.748				
Boom Height =	1.585 A= 23.415	B=	10.400				
Rated Mainsail Area	121.758 Spi boom= 7.344	√s=	13.326				
Rated Foretriangle Area TOTAL RATED SAIL AREA	58.516 Propeller allow 180.274 Corrected sail		0.985 177.570				
SAIL LIMITS Mainsail max girth:	1/2 height (68%) 7.072 3/4 h	height (41%)	4.264				
Genoa:	max. foot length (J + 4.8m) 11.810						
Spinnaker:	1/2 foot max breadth (125% J) 9.180 max	. luff length=	18.608				
	Spar Measurement						
MAST (material)	Aluminium Mast Weight 577	CG pos.	10.490				
Mast dimensions [mm]	Deck Half-Height Jib-Halyard 355*240 355*240 284*207	Head 175*130]				
Sections area [cm ²]	669 669 461	179					
	Engine/Propeller Installation						
Engine and propeller weight Minimum boat speed with en Engine model and power	yes Propeller diameter = yes Propeller position = yes	0.620 Not Skewed					
	Flotation						
Internal Ballast 4 pigs 8 pigs	42 kgs @ 1 m aft of bow 110 kg @ 8 m aft of bow						
2011 Engine moved aft	Measurer's Notes						
Date and place of Measurem Measurer's Name(s)	ent August 2, 2017 A Williams Signature	Ander	· -				