



12

INTERNATIONAL TWELVE METRE CLASS

Yacht's Name Gleam

National letters and Sail Number US 11 Club New York Yacht Club

Designer Clinton Crane

Builder Henry B Nevins Inc Building Year 1937

Owner C/- Dennis Gunderson

Owner's Address Bristol Marine, Boothbay Harbor ME 04538 USA

Lloyds R class certificate (Number or Date) _____

APPENDIX E RATING CERTIFICATE

This yacht has been measured by measurer(s) appointed by the International Twelve Metre Association and has been found to rate not more than 12.000 metres.

This certificate is dated July 9, 2012

Measurer A Williams Signature Ander

Valid until July 9, 2014

Supersedes June 19, 2001



Signature [Signature]
ITMA Technical Director

Stamp of Authority of the
International Twelve Metre Association

PROVISIONAL CERTIFICATE REVALIDATION

This yacht has been declared by the Owner to be unchanged from her previous revalidated certificate dated July 9, 2012. Accordingly this certificate has been revalidated and remains valid until January 27, 2025 subject to a successful flotation and any re-measurement required being carried out by a class measurer prior to racing.

Signature [Signature] January 27, 2023
ITMA Technical Director

RATING CALCULATION**OVERALL LENGTH**

Overhang Forward to L1

2.635

Overhang Aft to L1

2.286

Total Overhang (Subtract)

4.921

20.744**MEASURED LENGTH (L1 L1)**

Girth at Bow

1.551

Twice vertical Height at Bow (Subtract)

1.200

O at Bow

0.351

Add 1 1/2 O at Bow (min 0.540 m)

0.540

Girth at Stern

3.229

Twice vertical Height at Stern (Subtract)

1.590

O at Stern

1.639

Add 1/3 O at Stern (min 0.400 m)

0.546

Add any penalty (Beam)

0.000

Sum of Length and Girth Corrections

16.909

Age Date and Allowance

1937/1939

Allowance

0.9594**CORRECT LENGTH L**

Skin d to d1 Port

1.995

Chain d to d1 Port

1.977

d Port

0.018

Skin d to d1 Starboard

2.004

Chain d to d1 Starboard

1.986

d Starboard

0.018

Add d

0.036

Add GIRTH 2 d

Mean Freeboard Bow O

Actual

1.363

1.363

Mean Freeboard Midship d

Actual

1.053

1.053

Mean Freeboard Stern O

Actual

0.975

0.975

Sum of Freeboards

3.391

0.072**Subtract FREEBOARD, F**

See Notes

1.130**Add SAIL AREAS (Square root)****13.264****TOTAL OF MEASUREMENTS****28.428**

PENALTY (Draught)

0.000

RATING**11.995**

Date and place of Measurement

09-Jul-12

Measurer's Name(s)

A Williams

Signature

Ander

Yacht's name : *Gleam*

US 11

09-Jul-12

PENALTIES

Overhang Forward to L	3.237	
Overhang Aft to L	3.008	
Subtract from overall length	6.245	
Difference of immersion from salt to fresh water	0.000	
WATERLINE LENGTH		14.499
Minimum Displacement for Zero Penalty [m3]	28.367	
Minimum Weight for Zero Penalty [tonnes] (Water of sg 1.025)	29.076	
ACTUAL WEIGHT [tonnes]		29.500
Equivalent LWL (for Displ. < min.)	14.573	
Difference		
DISPLACEMENT PENALTY (add to L)		0.000
DRAUGHT (actual)	2.834	
Max. Draught for Zero Penalty	2.820	
Difference (if positive)	0.014	
DRAUGHT PENALTY (add to Rating)	Appendix E	0.000
BEAM (Min)	3.480	
Max Beam at 1/3 of Midship Freeboard	3.600	
Difference (if positive)	0.120	
BEAM PENALTY (add to L)	See Notes	0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.000	
Extreme Beam	3.622	
Beam at deck	3.622	
Difference (if positive)	0.000	
TUMBLEHOME PENALTY (add to Rating)		0.000

Date and place of Measurement

09-Jul-12

Measurer's Name(s)

A Williams

Signature

Ander

Yacht's name : **Gleam****US 11****09-Jul-12****SAIL PLAN**

Max Height of Sail Plan =	<input type="text" value="25.000"/>	J=	<input type="text" value="6.820"/>	I =	<input type="text" value="18.750"/>
Boom Height =	<input type="text" value="1.350"/>	A=	<input type="text" value="23.650"/>	B=	<input type="text" value="10.629"/>
Rated Mainsail Area	<input type="text" value="125.688"/>	Spi boom=	<input type="text" value="6.870"/>	eS=	<input type="text" value="13.264"/>
Rated Foretriangle Area	<input type="text" value="54.745"/>	Propeller allowance	<input type="text" value="0.975"/>		
TOTAL RATED SAIL AREA	<input type="text" value="180.433"/>	Corrected sail area	<input type="text" value="175.922"/>		

SAIL LIMITS

Mainsail max girth:	1/2 height (68%)	<input type="text" value="7.228"/>	3/4 height (41%)	<input type="text" value="4.358"/>
Genoa:	max. foot length (J + 4.8m)	<input type="text" value="11.670"/>		
Spinnaker:	1/2 foot max breadth (125% J)	<input type="text" value="8.588"/>	max. luff length=	<input type="text" value="18.374"/>

Spar Measurement

MAST (material)	<input type="text" value="Wood"/>	Mast Weight	<input type="text" value="528"/>	CG pos.	<input type="text" value="10.540"/>
Mast dimensions [mm]	Deck <input type="text" value="0.000"/>	Half-Height <input type="text" value="0.000"/>	Jib-Halyard <input type="text" value="0.000"/>	Head <input type="text" value="0.000"/>	
Sections area [cm ²]	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	

Engine/Propeller Installation

Engine and propeller weight	<input type="text"/>	Propeller diameter =	<input type="text" value="0.512"/>
Minimum boat speed with engine	<input type="text" value="Yes"/>	Propeller position =	<input type="text" value="Skewed"/>
Engine model and power	<input type="text" value="Yes"/>		

FlotationInternal Ballast **Measurer's Notes**

- Freeboard in Rating as per 1933-1970 Rule (Sum/3,Max 1.21)
- Boat not weighed
- Beam restriction not introduced until Sept 1937
- Keel changed in 1939
- Mast Heel Replaced 2007

Date and place of Measurement	09-Jul-12	Portsmouth RI USA	
Measurer's Name(s)	A Williams	Signature	