

12

INTERNATIONAL TWELVE METRE CLASS

Yacht's Name Anitra

National letters and Sail Number US-5 Club Flensburger Segal Klub

Designer S Burgess

Builder Abeking Rasmussen/J Martin Year Built 1928

Owner GBR Anitra

Owner's Address 78315 Radofzell (GY)
Yachten & Bootswerft Martin, Strandbadstr. 25

Lloyds R class certificate (Number or Date) _____

APPENDIX E RATING CERTIFICATE

This yacht has been measured and has been found to rate not more than 12.000 metres.

This certificate is dated February 26, 2014

Measurer G.O. Ahlers Signature _____

Valid until February 25, 2016

Supersedes March 26, 2011



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 certificate dated February 26, 2014. Accordingly this certificate has been revalidated and remains valid until April 6, 2019 subject to a successful flotation being carried out by a class measurer prior to racing.

Signature  April 7, 2018
ITMA Technical Director

RATING CALCULATION**OVERALL LENGTH**

Overhang Forward to L1

3.377

Overhang Aft to L1

2.932

Total Overhang (Subtract)

6.309

21.317

MEASURED LENGTH (L1 L1)

Girth at Bow

1.828

Twice vertical Height at Bow (Subtract)

1.200

O at Bow

0.628

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

0.942

Girth at Stern

3.302

Twice vertical Height at Stern (Subtract)

1.688

O at Stern

1.614

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

0.538

Add any penalty (Beam)

0.000

Sum of Length and Girth Corrections

16.488

Age Date and Allowance

1928

Allowance

0.954

15.730

CORRECT LENGTH L

Skin d to d1 Port

3.269

Chain d to d1 Port

3.249

d Port

0.020

Skin d to d1 Starboard

3.278

Chain d to d1 Starboard

3.255

d Starboard

0.023

Add d

0.043

Add GIRTH 2 d

0.086

Mean Freeboard Bow O

Actual

1.394

1.394

Mean Freeboard Midship d

Actual

1.046

1.046

Mean Freeboard Stern O

Actual

1.024

1.024

Sum of Freeboards

3.464

Subtract FREEBOARD, F

See Notes

1.155

Add SAIL AREAS (Square root)

13.593

TOTAL OF MEASUREMENTS

28.254

PENALTY (Draught)

0.000

RATING

11.921

Date and place of Measurement

February 26, 2014

Measurer's Name(s)

G.O. Ahlers

Signature



Provisional Certificate Validated

April 7, 2018

Certificate valid until

April 6 2019

PENALTIES

Overhang Forward to L	3.985	
Overhang Aft to L	3.560	
Subtract from overall length	7.545	
Difference of imersion from salt to fresh water		
WATERLINE LENGTH		13.772
Minimum Displacement for Zero Penalty [m3]	24.500	
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)	25.113	
WEIGHT [tonne] Actual weight		Appendix E
Equivalent LWL (for Displ. < min.)		
Difference		
DISPLACEMENT PENALTY (add to L)		Appendix E
DRAUGHT (actual)	2.657	
Max. Draught for Zero Penalty	2.704	
Difference (if positive)		
DRAUGHT PENALTY (add to Rating)		0.000
BEAM (Min)	3.600	
Max Beam at 1/3 of Midship Freeboard	3.780	
Difference (if positive)		
BEAM PENALTY (add to L)		0.000
Tumblehome Max. (2 x 2% of Extr. Beam)	0.151	
Extreme Beam	3.780	
Beam at deck	3.720	
Difference (if positive)		
TUMBLEHOME PENALTY (add to Rating)		0.000

Date and place of Measurement

February 26, 2014

Measurer's Name(s)

G.O. Ahlers

Signature



Provisional Certificate Validated

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SAIL PLAN

Max Height of Sail Plan =	<input type="text" value="25.000"/>	J=	<input type="text" value="7.250"/>	I =	<input type="text" value="18.750"/>
Boom Height =	<input type="text" value="1.400"/>	A=	<input type="text" value="23.600"/>	B=	<input type="text" value="11.000"/>
Rated Mainsail Area	<input type="text" value="129.800"/>	Spi boom=	<input type="text" value="7.250"/>	✓S=	<input type="text" value="13.593"/>
Rated Foretriangle Area	<input type="text" value="57.773"/>	Propeller allowance	<input type="text" value="0.985"/>		
TOTAL RATED SAIL AREA	<input type="text" value="187.573"/>	Corrected sail area	<input type="text" value="184.760"/>		

SAIL LIMITS

Mainsail max girth:	1/2 height (68%)	<input type="text" value="7.480"/>	3/4 height (41%)	<input type="text" value="4.510"/>
Genoa:	max. foot length (J + 4.8m)	<input type="text" value="12.050"/>		
Spinnaker:	1/2 foot max breadth (125% J)	<input type="text" value="9.063"/>	max. luff length=	<input type="text" value="18.582"/>

Spar Measurement

MAST (material)	<input type="text" value="Aluminium"/>	Mast Weight	<input type="text" value="540"/>	CG pos.	<input type="text" value=">9.500"/>
Mast dimensions [mm]	Deck <input type="text" value="337x244"/>	Half-Height <input type="text"/>	Jib-Halyard <input type="text" value="292x220"/>	Head <input type="text" value="198x172"/>	
Sections area [cm ²]	<input type="text" value="645"/>	<input type="text"/>	<input type="text" value="504"/>	<input type="text" value="267"/>	


Engine/Propeller Installation

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

Flotation

Internal Ballast	Amount	Location from Bow
Nil		
Water density at time of Flotation	1.007	
Difference of immersion from standard salt water	0.013	

Measurer's Notes

Date and place of Measurement	February 26, 2014	Signature	
Measurer's Name(s)	G.O. Ahlers	Certificate valid until	April 6 2019
Provisional Certificate Validated	April 7, 2018		