

BOAT
Name GLADIADOR Sail Nr ESP-6478

GPH
720.7

HULL	
Length Overall	9.986 m
Maximum Beam	3.420 m
Displacement	6,257 kg
Draft	1.904 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0.697%
Fwd Accommodation	Yes
Hull Construction	Solid
Carbon Rudder	No
Crew Arm Extension	
IMS L	8.333 VCGD -0.029 VCGM -0.025
Sink	16.50 kg/mm Wetted Area 24.01 m²



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2012
ORC International
Certificate

GENERAL
Class GLADIATEUR
Designer HOLMAN & PYE
Builder WAUQUIEZ
Series 01/1976
Age 06/1980
Age Allowance 0.975%
Offset File G1001.BOF - 22/5/2013 22:42:46
Measurement by FGUDE/GVALV - 25/04/2007

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	689.4			775.5		
Time On Time	0.8704			0.8705		
Performance Line	PLT	PLD		PLT	PLD	
	0.736	108.9		0.690	169.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.7625	1.0159	1.2056	0.6167	0.8690	1.0112

Rating Office

Offshore
Racing
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1260.0	1034.0	889.1	828.4	798.9	780.8	765.2
52°	811.7	656.1	606.2	578.3	561.4	553.1	544.7
60°	760.0	627.1	587.6	561.6	544.1	534.9	526.2
75°	714.0	609.0	572.7	548.2	529.6	514.9	499.9
90°	726.5	608.9	564.8	536.0	520.4	511.6	490.6
110°	730.8	606.4	562.4	533.0	509.3	489.3	466.1
120°	762.1	618.8	571.7	540.8	516.6	495.8	462.2
135°	853.3	674.3	600.3	562.6	535.4	512.8	475.8
150°	1013.0	789.4	654.7	596.3	561.4	535.5	494.3
Run VMG	1169.7	914.5	753.0	653.8	599.5	564.7	517.2

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VPP Ver. 2012 1.00
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Selected Courses							
Windward / Leeward	1214.8	974.2	821.1	741.1	699.2	672.7	641.2
Circular Random	1003.8	805.1	698.2	636.4	598.8	574.6	544.8
Ocean for PCS	1069.2	840.5	713.6	637.3	588.6	555.3	509.7
Non Spinnaker	1059.4	844.0	726.7	657.9	615.6	588.4	555.4

Crew Weight	
Declared	550 kg
Default*	601 kg
Non Manual Pwr	No

Special Scoring	
ToD	ToT
D. Hand OSN 691.5	0.8677
Non Spin. OSN 718.8	0.7990
N/S Perf. Line 78.0	0.668

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	45.0°	45.7°	42.6°	39.8°	38.4°	37.6°	37.1°
Beat VMG	2.86	3.48	4.05	4.35	4.51	4.61	4.70
52°	4.44	5.49	5.94	6.23	6.41	6.51	6.61
60°	4.74	5.74	6.13	6.41	6.62	6.73	6.84
75°	5.04	5.91	6.29	6.57	6.80	6.99	7.20
90°	4.96	5.91	6.37	6.72	6.92	7.04	7.34
110°	4.93	5.94	6.40	6.75	7.07	7.36	7.72
120°	4.72	5.82	6.30	6.66	6.97	7.26	7.79
135°	4.22	5.34	6.00	6.40	6.72	7.02	7.57
150°	3.55	4.56	5.50	6.04	6.41	6.72	7.28
Run VMG	3.08	3.94	4.78	5.51	6.01	6.38	6.96
Gybe Angles	144.4°	152.6°	151.8°	171.5°	180.0°	180.0°	180.0°

Sails Limitations		
Genoas	Jibs	Spinnakers
1	0	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	24.82
Storm Jib (JL=8.81)	9.19
Storm Trysail	6.88

Owner

BOAT	
Name GLADIADOR	Sail Nr ESP-6478
File E6478.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 25/04/2007	SG 1.0250		
FFM 1.122	FF 1.122	SFFP 0.853	
FAM 1.019	FA 1.019	SAFP 9.391	
W1 74.400	PD1 564.3	WD 11.020	
W2 74.400	PD2 564.3	GSA 1.0	
W3 74.400	PD3 559.7	RSA 1.0	
W4 74.400	PD4 559.7	PLM 9000.0	
LCF from stem on CL / on sheer		5.571 / 0.000	
Maximum beam station from stem		5.920	
RM Measured / Default		114.9 / 103.3	
Limit of positive stability / Stab.Index		118.2° / 122.1	
Freeboard at mast at 4.190		1.021	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay Fixed	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 11.950	E 3.290	MDT1 0.140	TL 0.000
IG 13.560	J 4.190	MDL1 0.220	MWT
ISP 13.560	SFJ	MDT2 0.140	MCG
SPS	SPL 4.190	MDL2 0.220	CPW
BAS 1.300	TPS	MW 0.220	BD
BAL	FSP	GO 0.220	BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

PROPELLER		
Installation Strut	PRD 0.380	
Type Folding	PBW	
Twin Screw No	PIPA 0.0035	
ST1 0.057	ST3	ST5 0.310
ST2	ST4 0.110	EDL 1.930

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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2012
IMS Measurement
Certificate

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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0.110	0.70	1.29	2.16	2.78	23.69	24.01	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.00	0.67	1.31	2.72	4.19	13.12	5.74	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF						
	12.90	5.62	7.54	Area (r)					
				64.55	67.79	SL · (SF + 4·SMG) / 6			
Asymmetric Not Av ailable									
Code Zero Not Av ailable									

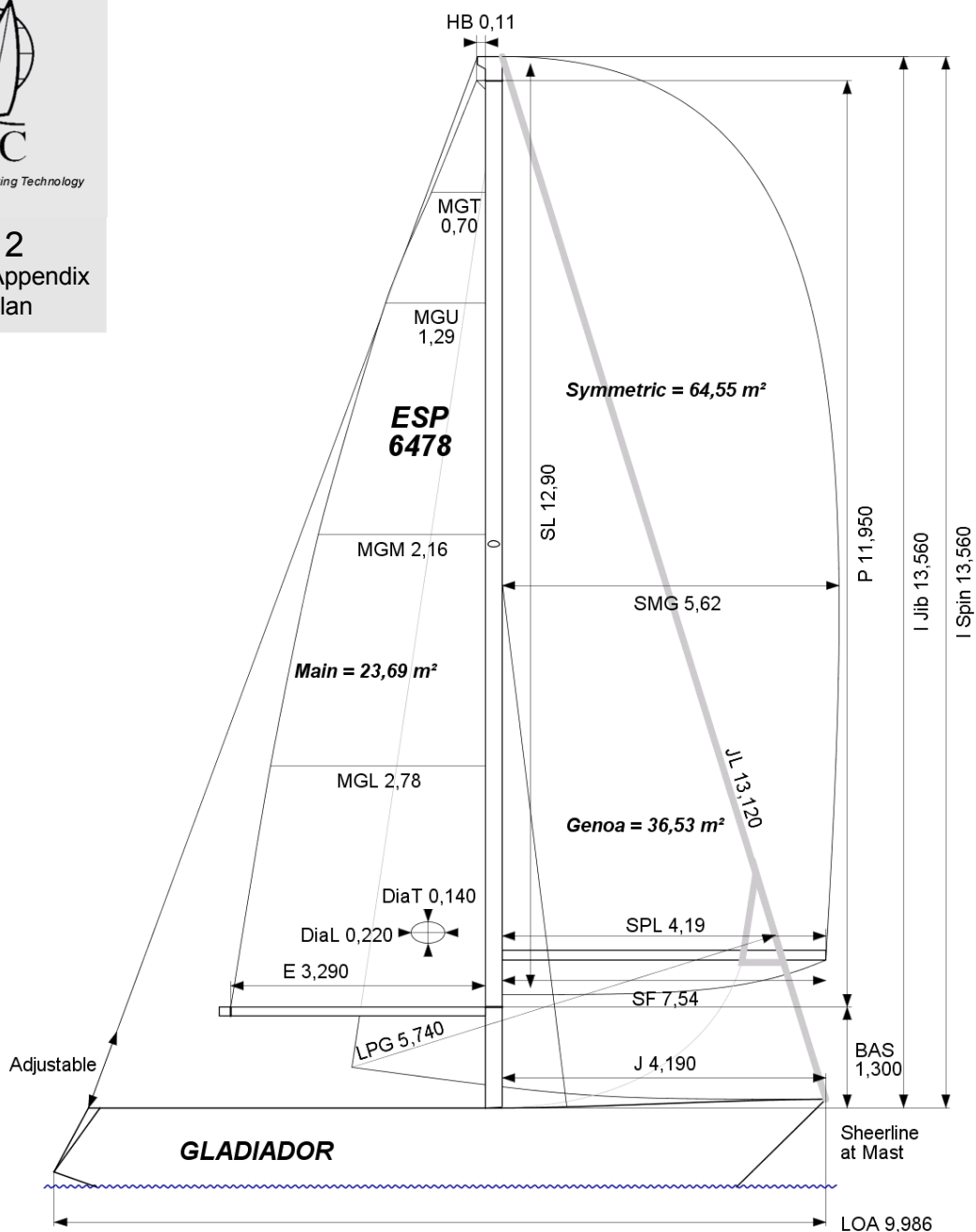
MEASUREMENT INVENTORY				
Measurer GERARDO VALVERDE 24				
Date 25/04/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
1	Anchor	68.0	0.50	ANCLA,
Id	Item	Weight	Description	
1	Deck Gear	10.0		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	GASOIL		80.0	9.00		0.0	RESERVA
2	Tank	AGUA		250.0	5.70		0.0	VACIO
Id	Item	Weight	Distance	VCG	Description			
1	Battery	0.0	0.00		4 BATERIAS 100Ah			



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Certificate Appendix
Sail Plan



SAILS INVENTORY														
MANSAIL														
Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment			
ORC	0.110	0.70	1.29	2.16	2.78	23.69	F.GUDE E342	13/06/2005						
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC		0.67	1.31	2.72	4.19	5.74	13.12	137%	36.53	Gandara	28/02/2011			
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	12.90	5.62		64.55	F.GUDE E342	20/03/2004								
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		