

BOAT
Name GUILT Sail Nr PER25

GPH
611,7

HULL
Length Overall 14,730 m
Maximum Beam 4,483 m
Displacement 11.678 kg
Draft 2,101 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 1,138%
Fwd Accommodation Yes
Hull Construction Solid
Carbon Rudder No
Trim Tab No
IMS L 12,705 VCGD 0,016 VCGM 0,053
Sink 32,40 kg/mm Wetted Area 42,64 m²

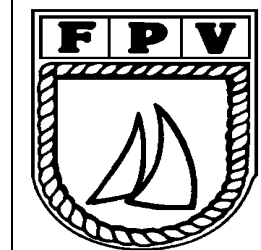


2009
ORC International
Certificate

GENERAL
Class Sun Odyssey 49
Designer Philippe Briand
Builder Jeanneau
Series 01/2004
Age 02/2004
Age Allowance 0,325%
Offset File SUOD49CL.OFF - 07/10/2008 8:57:48
Measurement by Carrion - 28/08/2008

SCORING OPTIONS	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	611,7	696,0
Time On Time	0,9809	0,9698
Performance Line	PLT 0,767 PLD 44,0	PLT 0,838 PLD 181,2
Triple Number	Low 0,9290 Medium 1,2601 High 1,4640	Low 0,6919 Medium 0,9805 High 1,1869

Rating Office
Federacion Peruana Vela
Bolognesi 761, Callao
5, Peru
Aguiles Rubina, Rat. Ofi.
rubina@terra.com.pe



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1147,3	921,5	806,4	740,6	701,2	676,0	650,1
52°	713,7	576,1	511,1	479,6	461,1	449,5	437,4
60°	641,9	526,6	478,0	450,9	436,5	427,2	416,7
75°	585,3	492,8	452,4	428,5	412,0	401,2	390,4
90°	584,9	484,2	441,1	416,7	402,9	395,7	375,1
110°	598,8	494,2	448,1	420,6	399,9	382,6	362,2
120°	641,4	516,6	461,6	429,7	407,1	388,1	356,2
135°	746,2	584,4	498,7	454,7	426,8	405,9	371,3
150°	894,0	693,9	574,6	501,5	459,6	431,8	393,2
Run VMG	1032,3	801,3	663,5	576,1	516,4	474,0	421,3

Certificate
Number **PERI25**
ORC Ref **PER00000024**
Issued On **17/06/2009**
VPP Ver. **1.11**
Valid until **30/03/2010**

Crew Weight
Declared **1.003 kg**
Default* **1.003 kg**

Special Scoring
ToD ToT
Double Handed **612,5 0,9797**
Non Spinnaker **650,3 0,9227**

Selected Courses							
Windward / Leeward	1107,8	874,8	745,5	667,0	616,1	581,6	541,4
Circular Random	867,1	689,5	592,0	533,9	497,0	472,3	440,7
Ocean for PCS	930,2	722,8	605,3	532,2	483,5	448,8	400,2
Non Spinnaker	937,7	739,1	628,5	561,5	518,6	489,8	454,0

Sails Limitations

Genoas	Jibs	Spinnakers
4	3	4

Spinnaker configuration
Symmetric

Storm Sails Areas
Heavy Weather Jib **39,46**
Storm Jib (JL=11,11) **14,61**
Storm Trysail **15,70**

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	47,9°	47,6°	46,5°	44,4°	42,9°	41,9°	41,1°
Beat VMG	3,14	3,91	4,46	4,86	5,13	5,33	5,54
52°	5,04	6,25	7,04	7,51	7,81	8,01	8,23
60°	5,61	6,84	7,53	7,98	8,25	8,43	8,64
75°	6,15	7,31	7,96	8,40	8,74	8,97	9,22
90°	6,16	7,43	8,16	8,64	8,93	9,10	9,60
110°	6,01	7,29	8,03	8,56	9,00	9,41	9,94
120°	5,61	6,97	7,80	8,38	8,84	9,27	10,11
135°	4,82	6,16	7,22	7,92	8,43	8,87	9,70
150°	4,03	5,19	6,27	7,18	7,83	8,34	9,16
Run VMG	3,49	4,49	5,43	6,25	6,97	7,59	8,54
Gybe Angles	142,8°	144,3°	148,1°	154,9°	165,8°	173,1°	177,7°

Owner
Mario Alvarado
Blas Cerdeña 365
San Idisro
malvarado@gym.com.pe

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT	
Name GUILT	Sail Nr PER25
File GUILT.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Forestay None Fitted	Runners 0
Carbon Mast No	Jumpers None
Taper Hollows No	w/o Backstay No
P 15,740	E 5,700 MDT1 0,125 TL 0,000
IG 16,990	J 5,650 MDL1 0,262 MWT
ISP 17,140	SFJ 0,000 MDT2 0,125 MCG
SPS 6,050	SPL 6,300 MDL2 0,262 CPW 3,350
BAS 2,050	TPS 0,084 MW 0,262 BD 0,230
BAL 0,130	FSP 0,084 GO 0,297 BWT

HEAVY ITEMS	
Bow Thruster No	Generator No Air Condition No
Windlass Yes	Jib Furler No Desalinator No
Heavy Deck No	Main Furler No
Headliners Yes	Water Heater Yes
Anchor Weight	Heavy Items Adjustment 0,0022
Anchor LCG	Total Gyradius Adjustment 0,0354

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	

INCLINING TEST AND FREEBOARDS	
Inclining Test Current Inclining	
Flotation date 28/08/2008	SG 1,0250
FFM 1,438	FF 1,438 SFFP 0,846
FAM 1,038	FA 1,038 SAFFP 13,267
W1 32,500	PD1 52,5 WD 16,000
W2 65,000	PD2 105,0 GSA 38,0
W3 97,500	PD3 157,5 RSA 7800,0
W4 130,00	PD4 210,0 PLM 2130,0
Maximum beam station from stem	8,805
RM Measured / Default	367,4 / 345,2
Limit of positive stability	110,1°
Stability Index	114,4
Freeboard at mast at 5,650	1,242

PROPELLER	
Installation Out of Aperture	PRD 0,510
Type Feathering 3 blades	PBW 0,153
Twin Screw No	PIPA 0,0070
PSA 20,000	PHL 0,132 ST3 0,120 ESL 1,135
PSD 0,035	ST1 0,020 ST4 0,062
PHD 0,075	ST2 0,110 ST5 0,230

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

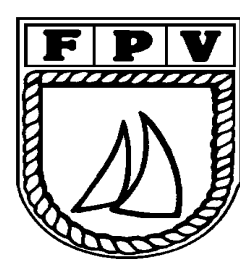
SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula		
	0,120	1,15	2,07	3,51	4,58	0,00	51,54	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$		
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	74,18	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$	
Symmetric	SL	SMG	SF				139,73	$SL \cdot (SF + 4 \cdot SMG) / 6$		
	16,33	10,00	11,34							



2009
IMS Measurement
Certificate

Certificate

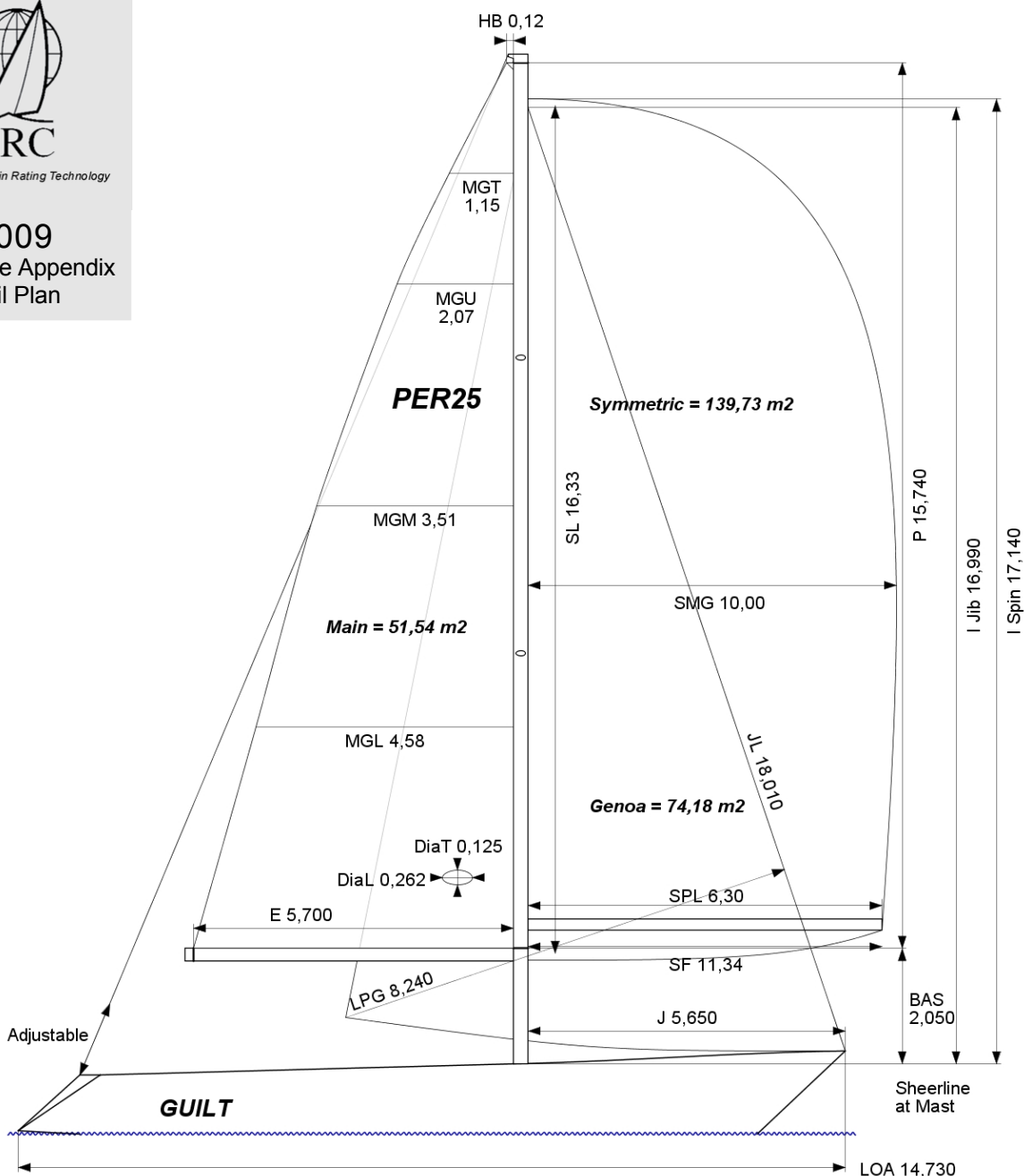
Number **PERI25**
 ORC Ref **PER00000024**
 Issued On **17/06/2009**
 VPP Ver. 1.11
 Valid until **30/03/2010**





World Leader in Rating Technology

2009
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment		
ORC	0,120	1,15	2,07	3,51	4,58	0,00	51,54					* Copied from legacy		
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						8,24	0,00	146%	74,18					* Copied from
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	16,33	10,00	0,00	139,73					* Copied from legacy *					
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		