BOAT

Name **PEZ DE ABRIL**
Sail Nr **ESP-4225**

GPH

546,6

GENERAL

Class	**SWAN 42 CS**
Designer	**SWAN NY/CLUB FRERS**
Builder	**SWAN**
Series	**01/2006**
Age	**05/2007**
Age Allowance	**0,292%**
Offset File	**Swan42cs-E4225.off - 22/6/2015**
Measurement by	**VALVERDE - 15/05/2014**

HULL

Length Overall	**12,965m**
Maximum Beam	**3,910m**
Displacement	**7.661kg**
Draft	**2,740m**
IMS Reg. Division	**Performance**
Dynamic Allowance	**0,000%**
Fwd Accommodation	**No**
Hull Construction	**Cored**
Carbon Rudder	**Yes**
Crew Arm Extension	

IMSL	**11,830m**	VCGD	**-0,460m**	Sink	**24,37kg/mm**
RL	**11,217m**	VCGM	**-0,354m**	WS	**33,49m²**

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Offshore Racing Congress

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SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**533,1**			**598,5**		
Time On Time	**1,1255**			**1,1278**		
	PLT		PLD	PLT		PLD
Performance Line	**0,974**		**107,5**	**1,008**		**236,7**
	Low	Medium	High	Low	Medium	High
Triple Number	**1,0814**	**1,3917**	**1,5664**	**0,8276**	**1,1234**	**1,2915**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**927,1**	**762,5**	**670,3**	**630,5**	**609,9**	**597,3**	**593,2**
52°	**603,7**	**503,2**	**459,3**	**444,4**	**437,0**	**432,7**	**427,7**
60°	**566,8**	**479,4**	**446,6**	**431,8**	**423,8**	**418,8**	**413,2**
75°	**536,9**	**464,1**	**436,8**	**418,4**	**403,1**	**394,0**	**385,7**
90°	**534,5**	**453,6**	**437,7**	**419,1**	**400,0**	**381,5**	**358,7**
110°	**535,4**	**456,1**	**422,6**	**399,4**	**384,3**	**374,1**	**353,5**
120°	**558,7**	**461,9**	**426,0**	**398,8**	**376,7**	**364,0**	**339,1**
135°	**621,8**	**503,8**	**451,2**	**424,5**	**398,2**	**370,8**	**315,6**
150°	**757,1**	**605,0**	**511,4**	**460,5**	**433,0**	**409,8**	**359,4**
Run VMG	**874,3**	**698,6**	**590,5**	**527,4**	**485,1**	**455,9**	**411,1**
Selected Courses							
Windward / Leeward	**900,7**	**730,5**	**630,4**	**579,0**	**547,5**	**526,6**	**502,1**
Circular Random	**751,1**	**607,2**	**530,4**	**485,9**	**458,2**	**439,4**	**413,8**
Ocean for PCS	**801,0**	**634,4**	**541,9**	**485,3**	**447,1**	**418,6**	**374,6**
Non Spinnaker	**825,6**	**659,2**	**568,3**	**514,2**	**480,1**	**457,4**	**428,8**

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	**43,3°**	**42,1°**	**40,8°**	**39,0°**	**37,7°**	**36,9°**	**37,3°**
Beat VMG	**3,88**	**4,72**	**5,37**	**5,71**	**5,90**	**6,03**	**6,07**
52°	**5,96**	**7,15**	**7,84**	**8,10**	**8,24**	**8,32**	**8,42**
60°	**6,35**	**7,51**	**8,06**	**8,34**	**8,49**	**8,60**	**8,71**
75°	**6,71**	**7,76**	**8,24**	**8,60**	**8,93**	**9,14**	**9,33**
90°	**6,73**	**7,94**	**8,22**	**8,59**	**9,00**	**9,44**	**10,04**
110°	**6,72**	**7,89**	**8,52**	**9,01**	**9,37**	**9,62**	**10,18**
120°	**6,44**	**7,79**	**8,45**	**9,03**	**9,56**	**9,89**	**10,62**
135°	**5,79**	**7,14**	**7,98**	**8,48**	**9,04**	**9,71**	**11,41**
150°	**4,75**	**5,95**	**7,04**	**7,82**	**8,31**	**8,78**	**10,02**
Run VMG	**4,12**	**5,15**	**6,10**	**6,83**	**7,42**	**7,90**	**8,76**
Gybe Angles	**140,4°**	**144,3°**	**145,9°**	**154,6°**	**160,8°**	**168,6°**	**162,4°**

Certificate

Number **422502**
ORC Ref **ESP00012676**
Issued On **22/6/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared	**970kg**
Default*	**841kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Double H.GPH	**551,7**	**1,0875**
Double H.OSN	**539,3**	**1,1126**
Non Spin GPH	**586,7**	**1,0227**
Non Spin OSN	**570,2**	**1,0523**
N/S Perf. Line	**63,5**	**0,831**

Sails Limitations

Headsails	Spinnakers
7	**4**

Class Division Length

CDL = **11,525**

Storm Sails Areas

Heavy Weather Jib	**44,63**
Storm Jib (JL=11,82)	**16,53**
Storm Trysail	**17,34**

Owner

BOAT

Name	**PEZ DE ABRIL**	Sail Nr	**ESP-4225**
File	**E4225.dxt**	Data in	**meters/kilograms**

RIG

Forestay Tension	**Aft**	Spreaders	**2**
Inner Stay	**None Fitted**	Runners	**0**
Carbon Mast	**Yes**	Jumper Struts	**None**
Taper Hollows	**No**	Jib Furler	**No**
Fiber Rigging	**No**	Main Furler	**No**
Lenticular Rigging	**No**	Without Backstay	**No**
Articulated Bowsprit	**No**		

P	**17,200**	E	**5,760**	MDT1	**0,138**	MW	**0,264**
IG	**18,000**	J	**5,000**	MDL1	**0,264**	GO	**0,314**
ISP	**19,350**	SFJ	**0,340**	MDT2	**0,106**	BD	**0,206**
BAS	**1,940**	SPL		MDL2	**0,200**	MWT	**235,00**
FSP	**0,076**	TPS	**7,300**	TL	**1,000**	MCG	**6,185**

MIZZEN RIG AND SAILS

N/A

COMMENTS

OFFSET VALIDO.07/2014
RETOQUE DE QUILLA 06/15

INCLINING TEST AND FREEBOARDS

Inclining Test	**Current Inclining**				
Flotation date	**17/06/2015**			SG	**1,0290**
FFM	**1,465**	FF	**1,464**	SFFP	**0,474**
FAM	**1,117**	FA	**1,116**	SAFP	**12,543**
W1	**95,400**	PD1	**474,4**	WD	**13,950**
W2	**95,400**	PD2	**471,7**	GSA	**1,0**
W3	**95,400**	PD3	**470,7**	RSA	**1,0**
W4	**95,400**	PD4	**471,3**	PLM	**9000,0**

LCF from stem on CL / on sheer	**7,171 / 7,419**
Maximum beam station from stem	**8,347**
RM Measured	**222,0kg·m**
RM Default	**213,9kg·m**
Limit of positive stability / Stab.Index	**135,4° / 138,1**
Freeboard at mast at 5,340	**1,240**

PROPELLER

Installation	**Strut**			PRD	**0,440**
Type	**Folding 2 blades**			PBW	**0,110**
Twin Screw	**No**			PIPA	**0,0040**
ST1	**0,065**	ST3	**0,180**	ST5	**0,290**
ST2	**0,180**	ST4	**0,110**	EDL	**1,940**

MOVEABLE BALLAST

N/A

CENTERBOARD

N/A

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2015 Measurements Datasheet

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SAILS (Maximum Areas)

Mainsail	**HB**	**MGT**	**MGU**	**MGM**	**MGL**	**Area**	**Area (r)**	**Formula**
	0,175	1,28	2,21	3,78	4,91	59,82	61,02	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric								
Not Available								
Asymmetric	**SLU**	**SLE**	**ASL**	**AMG**	**ASF**			
	22,04	17,65	19,84	11,24	10,89	184,72		ASL · (ASF + 4·AMG) / 6

HEADSAILS

Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)

JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,10	0,79	1,45	2,70	3,94	5,32	18,00	48,56	Y		17/06/2015	Unknow	
0,08	0,80	1,46	2,69	3,91	5,30	17,90	48,11	Y		17/06/2015	Unknow	

MEASUREMENT INVENTORY

Measurer **VALVERDE ESP24**
Date **17/06/2015**
Comment

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*

Id	*Item*	*Weight*	*Description*

MEASUREMENT INVENTORY

Id	*Item*	*Tank Use*	*Tank Type*	*Capcty*	*Dist.*	*VCG*	*Condtn*	*Description*
B	Tank	Gasoleo	PVC	140,0	5,60	0,30	~~5,0~~	

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*

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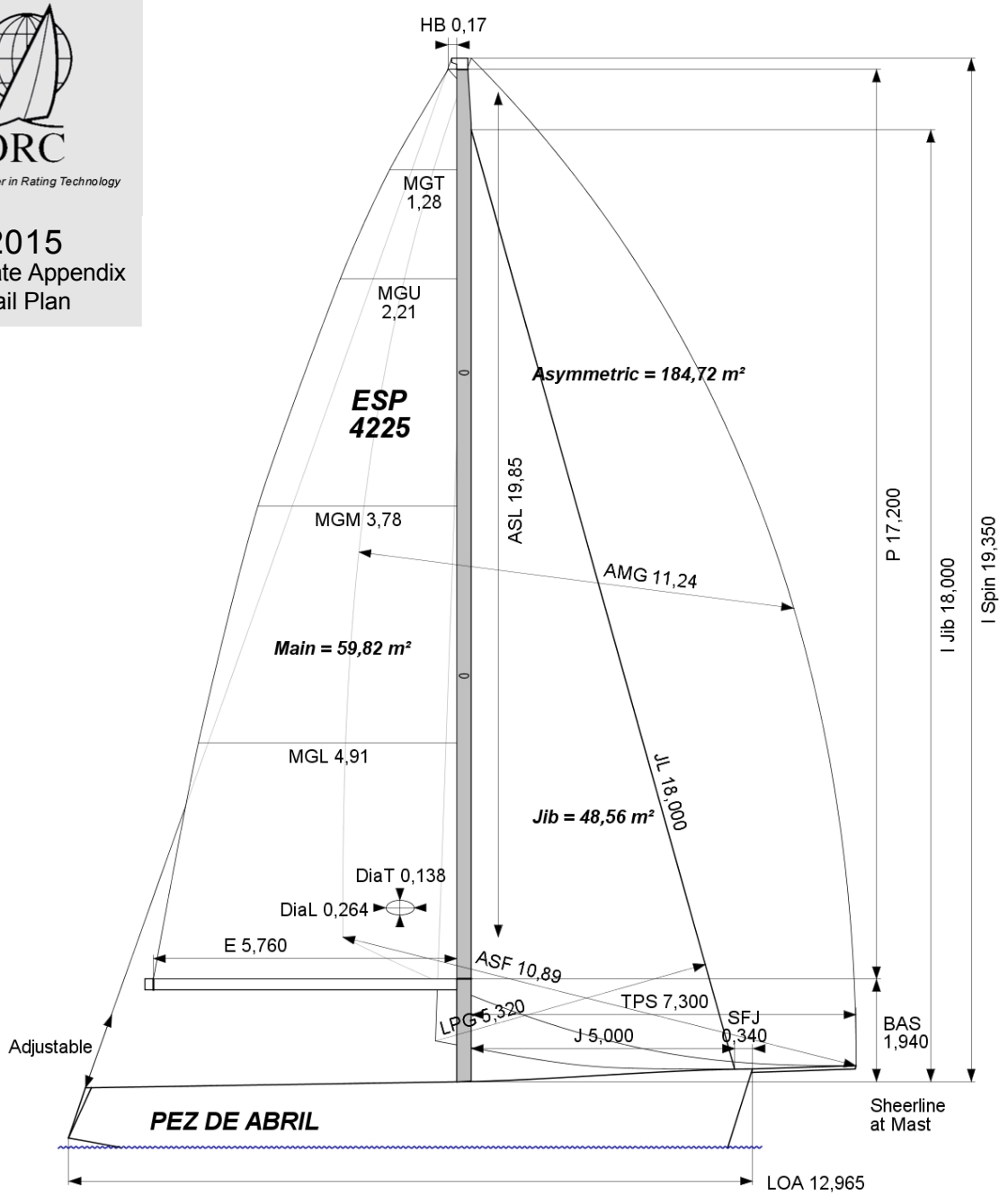
2015
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
003	0,175	1,28	2,21	3,78	4,91	59,82	358	26/04/2015	NS	Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
LM3D	0,10	0,79	1,45	2,70	3,94	5,32	18,00	106%	48,56	Y		ESP24	17/06/2015	NS	Unknow	
JH3DI	0,08	0,80	1,46	2,69	3,91	5,30	17,90	106%	48,11	Y		ESP24	17/06/2015	NS	Unknow	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2	22,04	17,65	19,84	11,24	10,89	184,72	asym	ESP358	22/06/2015		Unknown	