

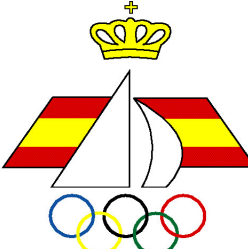
BOAT Name ITALIAN JOB IV Sail Nr GBR-1541 R	GPH 533,3	HULL Length Overall 15,380m Maximum Beam 4,534m Displacement 16.516kg Draft 2,604m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,193% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class SOLARIS 50 SK Designer SOTO Builder SE.RI.GI. Series 01/2015 Age 05/2017 Age Allowance 0,098% Offset File SOL50260.OFF - 25/05/2017 9:47:00 Measurement by Tacha Montaner - 17/05/2017		IMSL 14,690m VCGD 0,178m Sink 40,09kg/mm RL 11,317m VCGM 0,211m WS 52,15m² LSM0 14,584m Displacement/Length ratio 5,3245



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2018
ORC International
Certificate

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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	519,1			587,9		
Time on Time	1,1559			1,1482		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	613,4	470,6	423,3	796,8	588,4	515,5
Time on Time	1,1004	1,4343	1,5948	0,8471	1,1471	1,3095

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	916,4	749,0	665,0	627,7	609,3	599,6	580,5
52°	594,6	495,7	445,5	426,5	418,5	414,5	406,5
60°	559,8	470,7	428,2	411,5	404,9	401,5	396,2
75°	533,9	452,2	416,0	399,8	390,4	385,5	380,7
90°	539,4	453,0	415,8	397,6	385,1	374,8	360,3
110°	538,4	443,1	403,8	387,7	378,1	369,1	352,5
120°	552,5	451,5	407,5	386,5	369,3	357,1	337,6
135°	616,2	495,5	430,0	400,2	381,2	362,0	323,3
150°	734,0	583,9	493,2	435,8	407,8	393,4	363,1
Run VMG	847,5	674,3	569,5	503,2	470,0	450,5	399,1

Certificate
Number **154101**
ORC Ref **ESP00027016**
Issued On **11/01/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight
Default **1.179kg**
Maximum **800kg**
Minimum* **600kg**
**when applied by the NoR and SI*
Non Manual Pwr **Yes**

Special Scoring

	ToD	ToT
Double H.GPH	537,2	1,1169
Double H.OSN	524,0	1,1451
Non Spin GPH	569,9	1,0528
Non Spin OSN	555,1	1,0808

Selected Courses							
Windward / Leeward	882,0	711,6	617,3	565,5	539,6	525,0	489,8
Circular Random	736,4	593,1	516,9	473,6	447,6	430,7	407,1
Coastal / Long Distance	878,5	667,3	553,4	488,6	455,9	431,9	389,8
Non Spinnaker	803,4	640,7	551,7	499,0	466,0	444,2	416,3

Sails Limitations

Headsails	Spinnakers
7	5

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	43,7°	41,9°	41,2°	40,5°	40,1°	39,8°	39,3°
Beat VMG	3,93	4,81	5,41	5,74	5,91	6,00	6,20
52°	6,05	7,26	8,08	8,44	8,60	8,69	8,86
60°	6,43	7,65	8,41	8,75	8,89	8,97	9,09
75°	6,74	7,96	8,65	9,00	9,22	9,34	9,46
90°	6,67	7,95	8,66	9,06	9,35	9,61	9,99
110°	6,69	8,13	8,91	9,28	9,52	9,75	10,21
120°	6,52	7,97	8,84	9,31	9,75	10,08	10,66
135°	5,84	7,26	8,37	9,00	9,44	9,94	11,13
150°	4,90	6,16	7,30	8,26	8,83	9,15	9,92
Run VMG	4,25	5,34	6,32	7,15	7,66	7,99	9,02
Gybe Angles	142,6°	145,6°	147,4°	149,9°	151,1°	153,8°	177,7°

Class Division Length
CDL = **13,004**

Storm Sails Areas

Heavy Weather Jib	62,28
Storm Jib (JL=13,96)	23,07
Storm Triesail	24,91

Owner

BOAT		
Name	ITALIAN JOB IV	Sail Nr GBR-1541 R
File	GBR1541R	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Boom Inclining		
Flotation date 17/05/2017		SG 1,0250
FFM 1,784	FF 1,818	SFFP 0,729
FAM 0,952	FA 0,936	SAFP 15,381
W1 183,3	PD1 197,7	WD 5,890
W2 183,3	PD2 198,4	GSA 1,0
W3 183,3	PD3 198,4	RSA 1,0
W4 183,3	PD4 200,6	PLM 9000,0
LCF from stem on CL / on sheer		8,603 / 8,944
Maximum beam station from stem		10,701
RM Measured		427,7kg·m
RM Default		494,9kg·m
Limit of positive stability / Stab.Index		113,5° / 123,2
Freeboard at mast at 6,370		1,594



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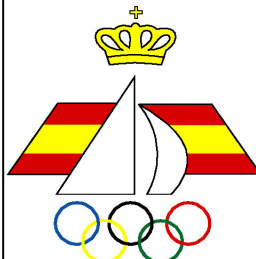
2018

IMS Measurement Certificate

RIG				
Forestay Tension Aft	Spreaders 3		Runners 0	
Inner Stay None Fitted	Jumper Struts None		Jib Furler Yes	
Carbon Mast Yes	Main Furler Yes		Without Backstay No	
Taper Hollows No				
Fiber Rigging No				
Lenticular Rigging No				
Articulated Bowsprit No				
P 20,480	E 6,950	MDT1 0,145	MW 0,285	
IG 21,300	J 6,010	MDL1 0,285	GO 0,335	
ISP 22,630	SFJ 0,360	MDT2 0,145	BD 0,530	
BAS 1,880	SPL 0,000	MDL2 0,230	MWT	
FSP 0,084	TPS 7,100	TL 1,060	MCG	

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,420	
Type Folding 3 or 4 blades	PBW	
Twin Screw	PIPA 0,0042	
ST1 0,042	ST3 0,180	ST5 0,390
ST2 0,180	ST4 0,112	EDL 2,650

COMMENTS	
PUNTO FF POPA EN BAÑERA. CALADO 2.60	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,175	1,31	2,40	4,28	5,71	81,73	84,54	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	24,77	21,29	23,03	11,94	12,92	232,91			

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,10	0,86	1,66	3,31	4,94	6,48	20,98	69,07	Y			Unknow	

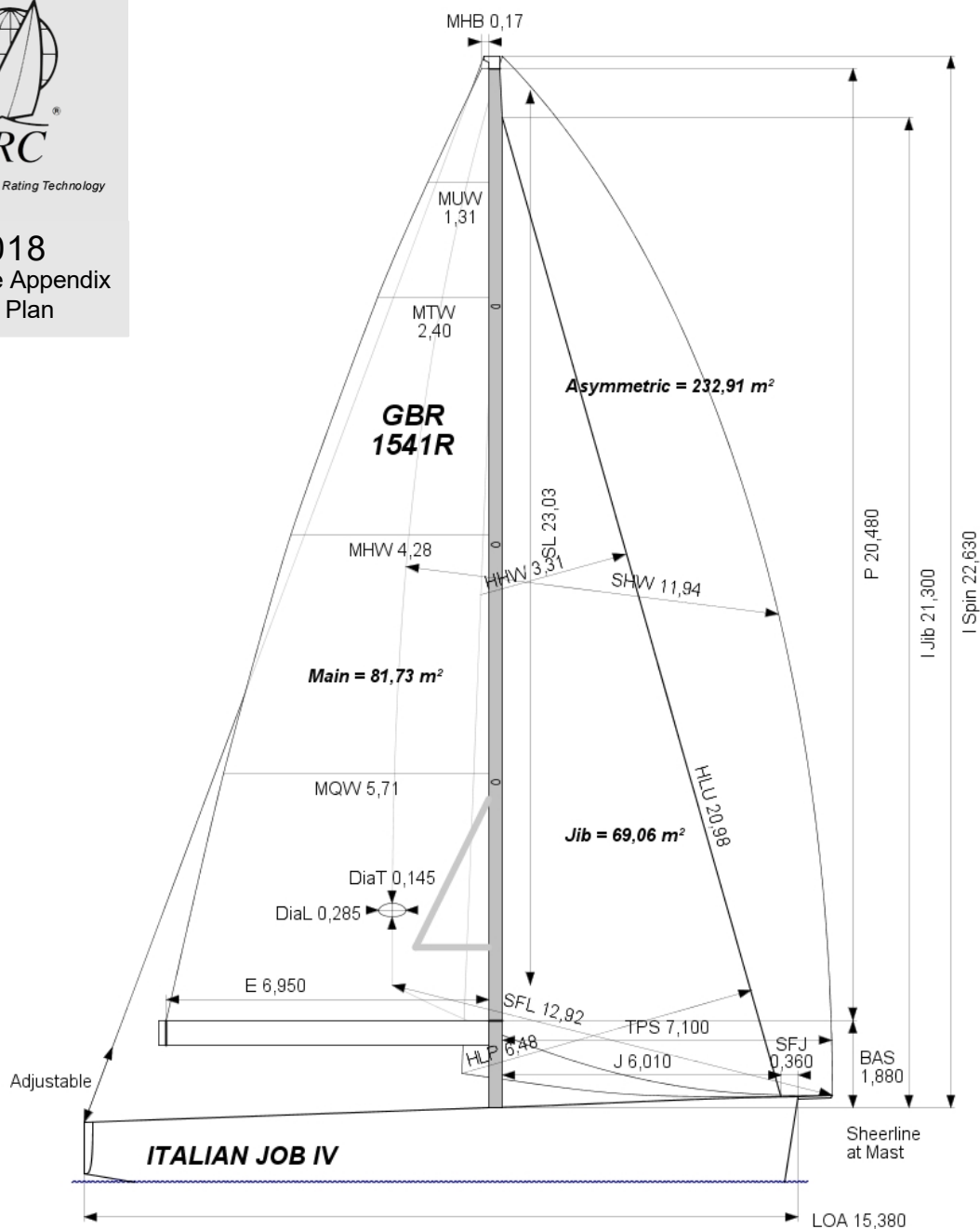
MEASUREMENT INVENTORY				
Measurer Tacha Montaner ESP-222				
Date 17/05/2017				
Comment Boom Inclining				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
4	Ancher	25,0	0,00	1,78
4	Chain	165,0	1,00	0,20 50-Mts 10-m/m
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank	FUEL			7,40	0,00	100,0	
2	Tank	H2O			7,40	0,00	0,0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0,175	1,31	2,40	4,28	5,71	81,73				Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0,10	0,86	1,66	3,31	4,94	6,48	20,98	108%	69,07	Y						Unknown

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A1	24,77	21,29	23,03	11,94	12,92	232,91	asym				Unknown	
A0	22,58	20,97	21,77	8,12	10,82	157,14	asym				Unknown	