

BOAT
Name ARCTURUS
Sail Nr LTU-1590

GPH
615,8

HULL	
Length Overall	11,380 m
Maximum Beam	3,650 m
Displacement	5.117 kg
Draft	2,117 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0,000%
Fwd Accommodation	Yes
Hull Construction	Cored
Carbon Rudder	No
Crew Arm Extension	
IMS L	9,426 VCGD -0,099 VCGM -0,096
Sink	18,39 kg/mm Wetted Area 24,99 m²



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2013
ORC International
Certificate

GENERAL
Class CATALINA CAPRI 37
Designer CATALINA
Builder CATALINA
Series 09.1992
Age 09.1993
Age Allowance 0,488%
Offset File MoondncF.OFF - 2009.06.22 10:25:02
Measurement by LBS#7 - 07.09.2010

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	593,7			666,3		
Time On Time	1,0106			1,0131		
Performance Line	PLT	PLD		PLT	PLD	
	0,885	122,3		0,851	198,3	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9615	1,2332	1,3898	0,7392	1,0046	1,1736

Rating Office

Zemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1006,4	840,5	746,6	700,1	673,7	659,6	653,5
52°	654,9	553,2	511,4	496,7	488,2	482,5	476,7
60°	616,9	530,5	498,4	483,6	474,8	468,4	461,2
75°	587,7	516,8	489,1	469,4	453,8	445,1	435,0
90°	593,8	520,3	491,7	471,7	452,2	435,1	414,2
110°	629,8	526,2	488,8	461,5	436,8	421,1	402,2
120°	649,5	538,9	495,7	469,2	443,6	419,6	388,0
135°	726,0	592,5	522,5	490,7	466,3	441,7	396,2
150°	869,7	694,2	587,7	523,1	492,2	468,7	423,1
Run VMG	1004,3	801,6	677,7	591,7	532,5	498,4	451,9

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VPP Ver. 2013 1.01
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Selected Courses							
Windward / Leeward	1005,3	821,1	712,2	645,9	603,1	579,0	552,7
Circular Random	844,1	683,9	598,0	547,7	516,3	495,4	468,7
Ocean for PCS	899,5	714,3	611,3	548,4	506,8	477,0	434,2
Non Spinnaker	892,0	718,0	623,6	567,7	532,6	509,1	479,1

Crew Weight	
Declared	620 kg
Default*	620 kg
Non Manual Pwr	No

Special Scoring	
ToD	ToT
D. Hand OSN 596,9	1,0052
Non Spin. OSN 621,0	0,9662
N/S Perf. Line 93,6	0,804

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°	42,9°	41,2°	38,9°	37,3°	36,5°	36,4°
Beat VMG	3,58	4,28	4,82	5,14	5,34	5,46	5,51
52°	5,50	6,51	7,04	7,25	7,37	7,46	7,55
60°	5,84	6,79	7,22	7,44	7,58	7,69	7,81
75°	6,13	6,97	7,36	7,67	7,93	8,09	8,28
90°	6,06	6,92	7,32	7,63	7,96	8,27	8,69
110°	5,72	6,84	7,37	7,80	8,24	8,55	8,95
120°	5,54	6,68	7,26	7,67	8,12	8,58	9,28
135°	4,96	6,08	6,89	7,34	7,72	8,15	9,09
150°	4,14	5,19	6,13	6,88	7,31	7,68	8,51
Run VMG	3,58	4,49	5,31	6,08	6,76	7,22	7,97
Gybe Angles	139,7°	148,8°	151,4°	161,5°	174,8°	178,5°	178,4°

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	31,48
Storm Jib (JL=9,93)	11,66
Storm Trysail	10,59

Owner

Asociacija "Gero vejo klubas"
Gaono g. 10
LT 01131 Vilnius
Lithuania

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

Signature

BOAT	
Name ARCTURUS	Sail Nr LTU-1590
File Arcturus LTU1590	Data in meters/kilograms

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 1		
Carbon Mast No	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 13,850	E 4,370	MDT1 0,125	TL 5,000
IG 15,270	J 4,210	MDL1 0,190	MWT
ISP 15,270	SFJ 0,125	MDT2 0,125	MCG
SPS	SPL 4,620	MDL2 0,150	CPW
BAS 1,550	TPS	MW 0,190	BD 0,165
BAL	FSP 0,070	GO 0,190	BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS


INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date		SG 1,0100	
FFM 1,060	FF 1,070	SFFP 0,799	
FAM 0,925	FA 0,930	SAFP 10,050	
W1 72,000	PD1 131,0	WD 9,120	
W2 72,000	PD2 129,0	GSA 530,9	
W3 104,00	PD3 174,0	RSA 530,9	
W4 104,00	PD4 176,0	PLM 2500,0	
LCF from stem on CL / on sheer		6,015 / 6,279	
Maximum beam station from stem		6,261	
RM Measured / Default		141,9 / 129,9	
Limit of positive stability / Stab.Index		116,2° / 114,4	
Freeboard at mast at 4,335		0,947	

PROPELLER			
Installation Shaft	PRD 0,408		
Type Folding	PBW 0,110		
Twin Screw No	PIPA 0,0036		
PSA 16,000	PHL 0,155	ST3 0,120	ESL 1,152
PSD 0,027	ST1 0,024	ST4 0,058	
PHD 0,046	ST2 0,104	ST5 0,232	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	


SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0,170	0,92	1,65	2,81	3,67	36,03	36,62	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,11	0,78	1,52	3,09	4,75	15,32	6,45	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF						
	15,55	8,13	7,94	104,86					
Asymmetric									
Not Available									
Code Zero									
Not Available									



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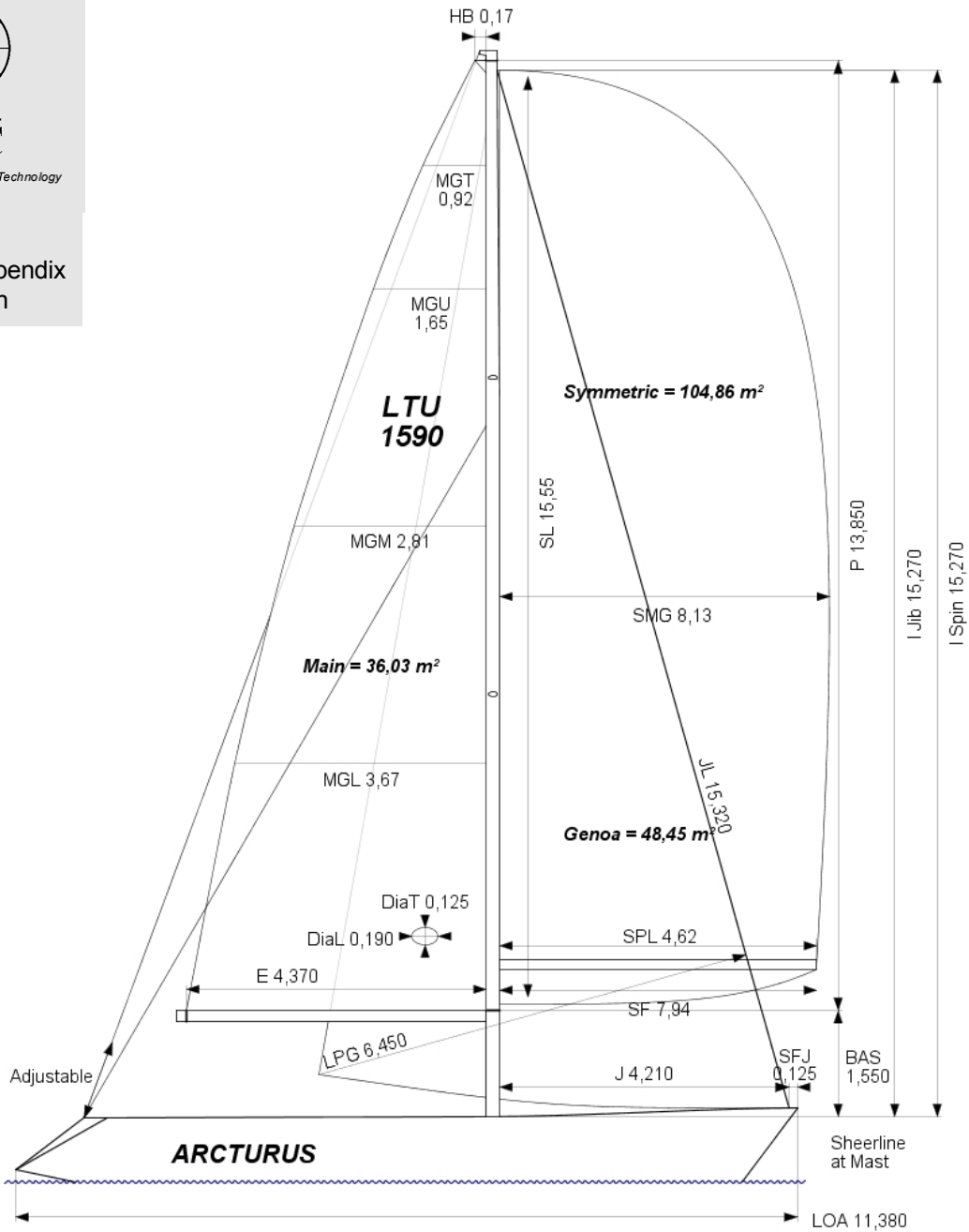
Certificate
Number **LT1590**
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VPP Ver. **2013 1.01**
Valid until **2013.12.31**





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Sail Plan



SAILS INVENTORY

MANSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M	0,170	0,92	1,65	2,81	3,67	36,03	LBS #7	06.09.2010	quantum	Unknown	foot 4,27 luff 13,04

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0,11	0,78	1,52	3,09	4,75	6,45	15,32	153%	48,46	LBS#7	06.09.2010	quantum	Unknown	leech 14,78 foot 6,67
G2	0,07	0,48	1,19	2,63	4,30	6,17	14,92	147%	42,09	LBS#7	06.09.2010	quantum	Unknown	leech 14,21 foot 6,50
G21	0,08	0,58	1,12	2,37	3,90	5,73	15,15	136%	39,40	LBS#7	07.09.2010		Unknown	leech 14,44 foot 6,09
G3	0,09	0,52	0,97	1,93	2,91	3,92	14,88	93%	29,07	LBS#7	06.09.2010	quantum	Unknown	leech 14,16 foot 4,12
TB	0,03	0,42	0,84	1,72	2,63	3,57	13,45	85%	23,53	LBS#7	06.09.2010	quantum	Unknown	leech 12,10 foot 4,04

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S5	15,55	8,13	7,94	104,86		20.06.2013	NS	Nylon	
S1	15,02	8,32	8,09	103,56	LBS#7	06.09.2010		Nylon	
S2	15,14	8,18	7,76	102,14	LBS#7	06.09.2010		Nylon	
S3	15,01	7,41	7,32	92,46	LBS#7	13.09.2010		Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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