



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Pemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT985**
Issued On **2017-09-27**
ORC Ref **lt00000329**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared	821kg
Default*	821kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	646,3	0,9284
Non Spin OSN	627,8	0,9557

Sails Limitations

Headsails **6** Spinnakers **4**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** **142,32**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9,953

Stability (Estimated)

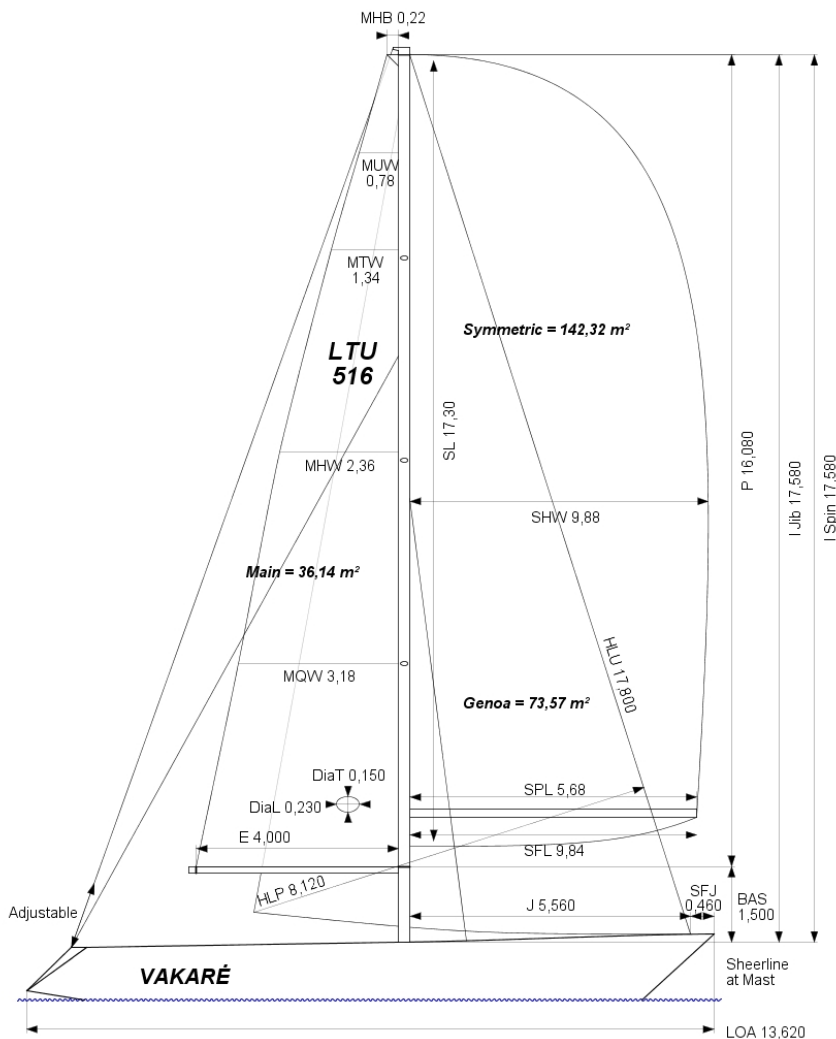
Limit Positive Stab.: **111,0°**
Stability Index: **119,2**

Owner

MARIUS EIDUKEVICIUS

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

Signature



BOAT Name VAKARÉ Sail Nr LTU 516		GPH 619,0	HULL Data File LTU516 LOA 13,620m Offset File Mir908.off MB 4,030m Displacement 11.830kg Draft 2,304m			
CLASS Class CETUS Designer E HOFFMAN Builder L TELIGA, POLAND Series 01-1980 Age Date 01-1989 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,459% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 11,239m VCGD 0,171m Sink 26,69kg/mm RL 8,665m VCGM 0,063m WS 38,04m² LSM0 11,315m Displacement/Length ratio 8,1662		
COMMENTS		Water Ballast 0 Trim Tab No				
PROPELLER Installation Strut PRD 0,500 Type Folding 2 blades PBW 0,118 PIPA 0,0030		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	601,0			672,6		
Time On Time	0,9983			1,0035		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	720,8	545,9	479,4	935,7	682,1	573,4
Time on Time	0,9364	1,2364	1,4080	0,7214	0,9896	1,1771

BOAT	
Name VAKARÉ	Sail Nr LTU 516
File LTU516	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 31-05-1986		SG 1,0253	
FFM	FF	1,284	SFFP 0,913
FAM	FA	1,034	SAFP 12,428
LCF from stem on CL / on sheer		7,517 / 7,753	
Maximum beam station from stem		7,938	
RM Measured		259,8kg·m	
RM Default		252,3kg·m	
Limit of positive stability / Stab.Index		111,0° / 119,2	
Freeboard at mast at 6,020		1,141	

RIG			
Forestay Tension Aft	Spreaders 3		
Inner Stay Fixed	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 16,080	E 4,000	MDT1 0,150	MW 0,230
IG 17,580	J 5,560	MDL1 0,230	GO 0,280
ISP 17,580	SFJ 0,460	MDT2 0,150	BD 0,142
BAS 1,500	SPL 5,680	MDL2 0,230	MWT
FSP	TPS	TL	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0,500		
Type Folding 2 blades	PBW 0,118		
Twin Screw No	PIPA 0,0030		
ST1 0,048	ST3 0,170	ST5 0,230	
ST2 0,170	ST4 0,098	EDL 1,010	

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COMMENTS

MOVEABLE BALLAST
N/A

CENTERBOARD
N/A

SAILS INVENTORY																
MANSAL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0,220	0,78	1,34	2,36	3,18	36,14					* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						8,12	17,80	146%	73,58							* Copied from legacy *
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	17,30	17,30	17,30	9,88	9,84	142,32					* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2017

ORC Club Certificate Appendix

BOAT	
Name	VAKARĖ
Certificate Number	Lt985
Sail Nr	LTU 516
Issued On	2017-09-27

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1060,3	882,3	783,1	717,3	683,3	665,2	649,0
52°	686,9	580,3	514,3	483,7	471,0	464,7	459,2
60°	646,0	547,0	492,3	469,5	457,7	451,7	446,1
75°	613,0	519,5	477,5	458,3	445,7	435,7	424,7
90°	613,6	519,8	476,0	456,7	443,4	431,9	411,6
110°	655,0	536,6	476,2	451,1	433,7	422,3	407,7
120°	671,0	550,5	482,9	455,1	436,6	419,2	394,1
135°	736,0	598,9	514,4	471,3	449,8	432,7	399,0
150°	871,2	688,0	583,0	512,4	472,6	452,0	420,3
Run VMG	1006,0	794,4	673,0	588,4	532,0	488,5	445,3

Selected Courses							
Windward / Leeward	1033,1	838,4	728,1	652,9	607,7	576,9	547,2
Circular Random	861,7	692,4	600,2	545,7	511,7	489,7	463,7
Ocean for PCS	1059,6	814,7	675,4	589,4	533,6	495,4	444,9
Non Spinnaker	909,7	726,8	626,1	565,7	527,6	502,7	472,9

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	44,1°	42,4°	42,8°	42,6°	40,9°	40,1°	39,3°
Beat VMG	3,40	4,08	4,60	5,02	5,27	5,41	5,55
52°	5,24	6,20	7,00	7,44	7,64	7,75	7,84
60°	5,57	6,58	7,31	7,67	7,86	7,97	8,07
75°	5,87	6,93	7,54	7,85	8,08	8,26	8,48
90°	5,87	6,93	7,56	7,88	8,12	8,34	8,75
110°	5,50	6,71	7,56	7,98	8,30	8,52	8,83
120°	5,37	6,54	7,45	7,91	8,25	8,59	9,14
135°	4,89	6,01	7,00	7,64	8,00	8,32	9,02
150°	4,13	5,23	6,17	7,03	7,62	7,96	8,56
Run VMG	3,58	4,53	5,35	6,12	6,77	7,37	8,08
Gybe Angles	145,6°	149,7°	151,1°	152,9°	161,1°	180,0°	180,0°