



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

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LT-03117 Vilnius
Lithuania
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Certificate

Number **LT1518**
Issued On **2017-06-23**
ORC Ref **lt00000170**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **400kg**
Default* **555kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **726.1 0.8263**
Non Spin OSN **703.8 0.8526**

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 86.09**
Asymmetric: **Yes 57.74**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.648

Stability (Measured)

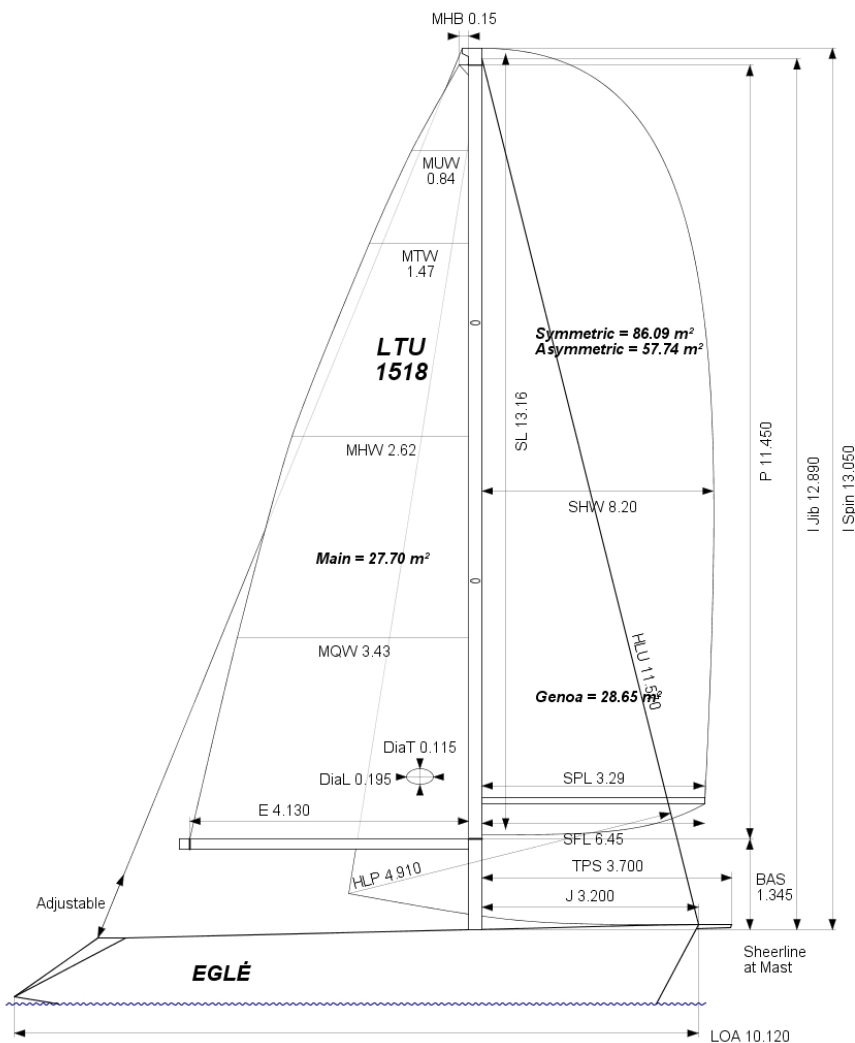
Limit Positive Stab.: **110.1°**
Stability Index: **111.9**

Owner

Klaipeda
Lithuania

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

Signature



BOAT Name EGLE Sail Nr LTU 1518		GPH 688.6		HULL Data File Egle LTU1518 LOA 10.120m Offset File G_ELAN34M.off MB 3.280m Displacement 4,948kg Draft 1.782m		
CLASS Class Elan 34 Designer Builder Elan Series 01-1996 Age Date Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.305% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 8.868m VCGD 0.159m Sink 15.64kg/mm RL 6.427m VCGM 0.167m WS 22.72m² LSM0 8.604m Displacement/Length ratio 7.7683		
COMMENTS 3,7 4872		Water Ballast 0 Trim Tab No		Water Ballast 0 Trim Tab No		
PROPELLER Installation Shaft exposed PRD 0.400 Type Folding 2 blades PBW 0.118 PIPA 0.0042		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	669.5			751.5		
Time On Time	0.8961			0.8982		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	795.4	607.8	542.4	1034.0	757.3	654.1
Time on Time	0.8486	1.1106	1.2445	0.6528	0.8913	1.0320

BOAT	
Name EGL	Sail Nr LTU 1518
File Egle LTU1518	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Boom Inclining			
Flotation date 07-06-2017		SG 1.0000	
FFM 1.156	FF 1.167	SFFP 0.470	
FAM 0.980	FA 0.987	SAFP 8.475	
W1 45.1	PD1 40.0	WD 3.618	
W2 45.1	PD2 37.0	GSA 5.0	
W3 45.1	PD3 38.0	RSA 5.0	
W4 45.1	PD4 38.0	PLM 1820.0	
LCF from stem on CL / on sheer		5.342 / 5.587	
Maximum beam station from stem		5.260	
RM Measured		68.0kg-m	
RM Default		85.9kg-m	
Limit of positive stability / Stab.Index		110.1° / 111.9	
Freeboard at mast at 3.200		1.093	




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2017 Measurements Datasheet

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
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 11.450	E 4.130	MDT1 0.115	MW
IG 12.890	J 3.200	MDL1 0.195	GO
ISP 13.050	SFJ	MDT2 0.115	BD 0.145
BAS 1.345	SPL 3.290	MDL2 0.195	MWT 153.00
FSP 0.060	TPS 3.700	TL	MCG 4.750

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.400		
Type Folding 2 blades	PBW 0.118		
Twin Screw No	PIPA 0.0042		
PSA	PHL 0.150	ST3	ESL 3.000
PSD 0.025	ST1 0.025	ST4	
PHD 0.050	ST2 0.115	ST5	0.190

COMMENTS	
3,7 4872	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M	0.150	0.84	1.47	2.62	3.43	27.69	LBS#7	26-07-2011		Spectra						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.07	0.67	1.26	2.47	3.69	4.91	11.57	153%	28.65			LBS#4	20-07-2016		Kevlar	
G2	0.05	0.49	0.97	2.05	3.25	4.50	11.62	141%	24.93			LBS#7	30-06-2011	E Gylys	Dacron	leech 11,38 foot 4,63
S1	0.07	0.48	0.93	1.97	3.10	4.30	11.62	134%	23.87			LBS#7	28-07-2010		Dacron	leech 10,78 foot 4,68
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
S17	13.16	13.16	13.16	8.20	6.45	86.09	G. Misiunas	19-06-2017	WB Sails	Unknown						
S1	12.19	12.19	12.19	8.64	6.61	83.64	LBS#7	10-07-2008		Unknown						
S2	11.20	11.20	11.20	6.14	5.92	56.90	LBS#7	20-06-2007		Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	13.30	11.35	12.32	5.36	6.67	57.74	asym				Unknown					



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2017

ORC Club Certificate Appendix

BOAT

Name **EGLE** Certificate Number **LT1518**
 Sail Nr **LTU 1518** Issued On **2017-06-23**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1211.7	1008.4	900.6	833.0	802.7	789.2	788.1
52°	783.7	660.7	586.9	553.1	540.2	534.6	531.8
60°	735.2	620.6	559.0	533.9	521.6	516.1	512.8
75°	696.4	587.0	539.9	518.3	503.8	493.0	483.3
90°	697.3	578.5	532.6	510.0	498.4	483.8	460.0
110°	686.5	565.5	519.4	496.1	483.4	465.9	447.7
120°	708.6	577.1	524.7	498.2	474.8	457.8	432.1
135°	782.0	634.2	546.8	513.4	490.1	467.0	424.1
150°	926.3	732.9	613.5	543.1	513.4	491.6	449.0
Run VMG	1069.6	846.6	708.5	616.9	559.0	523.2	480.2

Selected Courses

Windward / Leeward	1140.6	927.5	804.5	724.9	680.8	656.2	634.1
Circular Random	953.3	767.5	667.6	609.7	574.8	552.8	527.5
Ocean for PCS	1169.4	902.1	750.8	658.1	598.2	557.0	500.6
Non Spinnaker	1019.5	814.9	703.2	637.3	596.8	571.0	541.2

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°	42.7°	43.2°	43.6°	42.6°	42.1°	42.3°
Beat VMG	2.97	3.57	4.00	4.32	4.49	4.56	4.57
52°	4.59	5.45	6.13	6.51	6.66	6.73	6.77
60°	4.90	5.80	6.44	6.74	6.90	6.97	7.02
75°	5.17	6.13	6.67	6.95	7.15	7.30	7.45
90°	5.16	6.22	6.76	7.06	7.22	7.44	7.83
110°	5.24	6.37	6.93	7.26	7.45	7.73	8.04
120°	5.08	6.24	6.86	7.23	7.58	7.86	8.33
135°	4.60	5.68	6.58	7.01	7.34	7.71	8.49
150°	3.89	4.91	5.87	6.63	7.01	7.32	8.02
Run VMG	3.37	4.25	5.08	5.84	6.44	6.88	7.50
Gybe Angles	146.8°	150.9°	148.8°	157.5°	180.0°	180.0°	180.0°