



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

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LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT1518**
Issued On **2017-05-20**
ORC Ref **lt00000111**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **400kg**
Default* **553kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin **GPH 722.7 0.8302**
Non Spin **OSN 699.8 0.8574**

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 92.73**
Asymmetric: **Yes 57.74**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.720

Stability (Estimated)

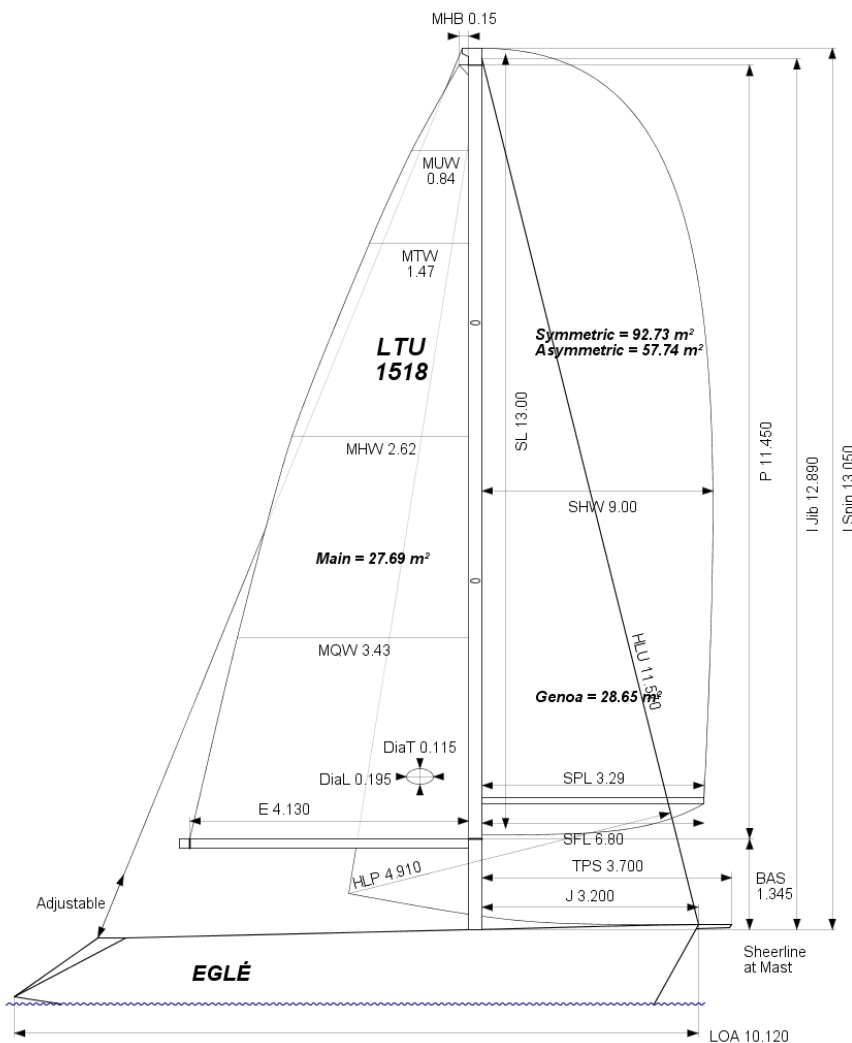
Limit Positive Stab.: **122.2°**
Stability Index: **123.7**

Owner

Klaipeda
Lithuania

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

Signature



BOAT Name EGLE Sail Nr LTU 1518		GPH 682.6		HULL Data File Egle LTU1518 LOA 10.120m Offset File G_ELAN34M.off MB 3.280m Displacement 4,873kg Draft 1.778m		
CLASS Class Elan 34 Designer Builder Elan Series 01-1996 Age Date Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.297% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 8.847m VCGD -0.056m Sink 15.55kg/mm RL 6.591m VCGM -0.043m WS 22.58m² LSM0 8.572m Displacement/Length ratio 7.7366	
COMMENTS 3,7 4872		Water Ballast 0 Trim Tab No			Sails Limitations Headsails 5 Spinnakers 3	
PROPELLER Installation Shaft exposed PRD 0.400 Type Folding 2 blades PBW 0.118 PIPA 0.0042		CENTERBOARD N/A			Spinnaker configuration Symmetric: Yes 92.73 Asymmetric: Yes 57.74 Flying H/S: No Spin. Pole: Yes	
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	663.0			742.6		
Time On Time	0.9050			0.9090		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	790.1	602.2	534.3	1026.5	748.8	642.4
Time on Time	0.8543	1.1208	1.2634	0.6576	0.9015	1.0507

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

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date		SG 1.0050	
FFM 1.156	FF 1.173	SFFP 0.470	
FAM 0.980	FA 0.991	SAFP 8.475	
LCF from stem on CL / on sheer		5.339 / 5.582	
Maximum beam station from stem		5.260	
RM Measured		87.7kg-m	
RM Default		85.2kg-m	
Limit of positive stability / Stab.Index		122.2° / 123.7	
Freeboard at mast at 3.200		1.098	

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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2017 Measurements Datasheet

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

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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					
S3	13.00	13.00	13.00	9.00	6.80	92.73	LBS#4	02-07-2016		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 2017-05-20

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1209.9	1005.3	895.5	822.5	787.3	770.8	764.8
52°	782.4	658.4	584.3	549.6	534.2	527.7	523.8
60°	733.8	618.4	557.3	531.7	517.7	510.2	505.1
75°	694.9	585.6	539.0	517.1	501.7	489.0	474.4
90°	695.6	573.7	527.5	507.5	495.3	482.1	455.1
110°	678.3	559.8	516.2	491.8	477.4	462.5	439.7
120°	701.7	569.9	521.0	494.5	469.8	450.9	428.5
135°	778.8	625.8	541.2	509.6	485.8	461.8	418.3
150°	912.9	724.0	604.8	538.0	509.7	487.6	443.9
Run VMG	1054.2	836.2	698.3	609.8	554.2	520.0	476.4

Selected Courses							
Windward / Leeward	1132.0	920.7	796.9	716.2	670.8	645.4	620.6
Circular Random	946.8	761.6	661.7	603.5	567.9	545.1	517.4
Ocean for PCS	1159.3	894.0	743.5	651.1	591.2	549.9	493.7
Non Spinnaker	1016.8	812.1	699.9	633.2	591.8	565.0	533.3

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	44.2°	42.9°	43.2°	43.3°	42.1°	41.4°	41.8°
Beat VMG	2.98	3.58	4.02	4.38	4.57	4.67	4.71
52°	4.60	5.47	6.16	6.55	6.74	6.82	6.87
60°	4.91	5.82	6.46	6.77	6.95	7.06	7.13
75°	5.18	6.15	6.68	6.96	7.18	7.36	7.59
90°	5.18	6.27	6.82	7.09	7.27	7.47	7.91
110°	5.31	6.43	6.97	7.32	7.54	7.78	8.19
120°	5.13	6.32	6.91	7.28	7.66	7.98	8.40
135°	4.62	5.75	6.65	7.06	7.41	7.80	8.61
150°	3.94	4.97	5.95	6.69	7.06	7.38	8.11
Run VMG	3.42	4.31	5.16	5.90	6.50	6.92	7.56
Gybe Angles	146.7°	150.7°	149.0°	157.9°	180.0°	180.0°	180.0°