



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT241**
Issued On **2017-07-21**
ORC Ref **lt00000238**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared	296kg
Default*	296kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin	GPH 805.2	0.7452
Non Spin	OSN 779.6	0.7696

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 40.45**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **5.541**

Stability (Estimated)

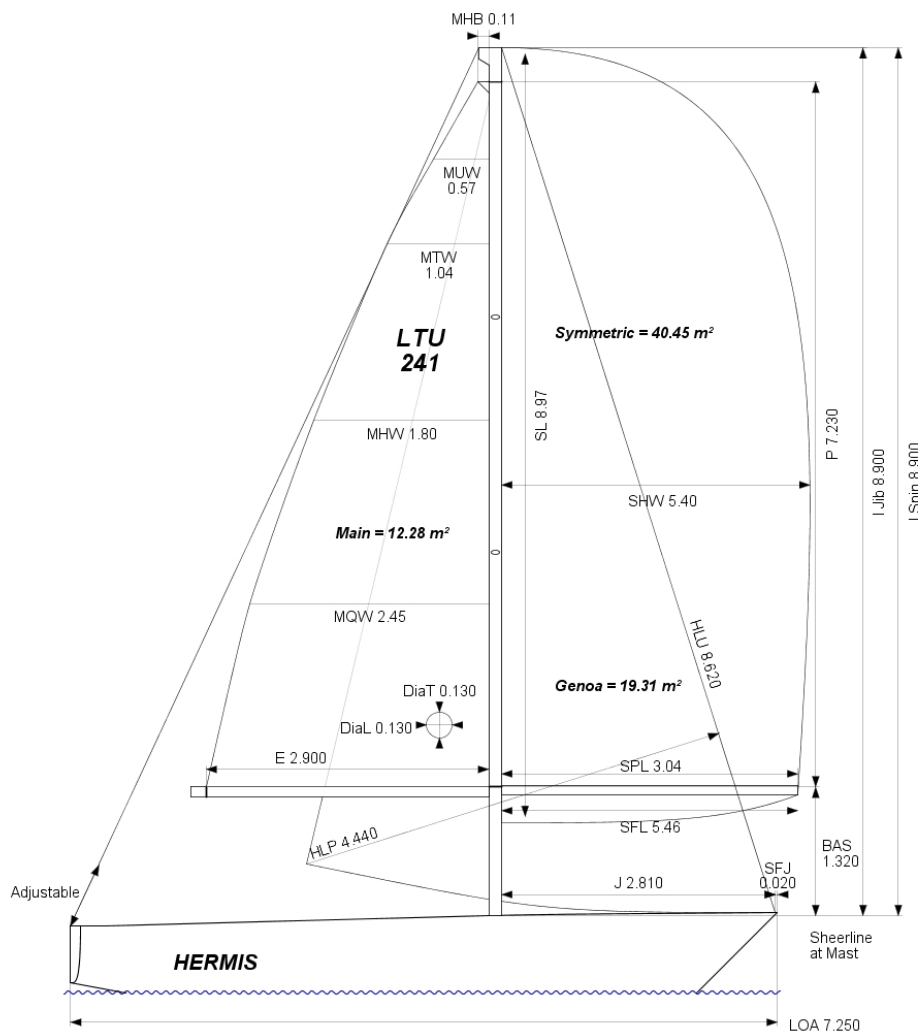
Limit Positive Stab.: **101.9°**
Stability Index: **93.9**

Owner

Laurynas Gribauskas
Vyšniu gatve 8
Domeikava
Lithuania

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

Signature



BOAT Name HERMIS Sail Nr LTU 241		GPH 775.2		HULL Data File Hermis LTU241 LOA 7.250m Offset File Conrad24.off MB 2.648m Displacement 1,527kg Draft 1.442m		
CLASS Class Conrad 24 Designer Builder Poland Series 06-1977 Age Date 06-1977 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.243% Fwd Accom. No Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 5.800m VCGD 0.052m Sink 8.25kg/mm RL 5.280m VCGM 0.160m WS 11.19m² LSM0 5.535m Displacement/Length ratio 9.0051	
COMMENTS		Water Ballast 0 Trim Tab No			Sails Limitations Headsails 5 Spinnakers 3	
PROPELLER Type No Propeller		CENTERBOARD N/A			Spinnaker configuration Symmetric: Yes 40.45 Asymmetric: No Flying H/S: No Spin. Pole: Yes	
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	752.9			838.6		
Time On Time	0.7969			0.8049		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	886.1	687.9	613.1	1139.6	843.0	735.9
Time on Time	0.7618	0.9813	1.1009	0.5923	0.8007	0.9172

BOAT	
Name HERMIS	Sail Nr LTU 241
File Hermis LTU241	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date		SG 1.0000	
FFM 0.815	FF 0.834	SFFP 0.500	
FAM 0.680	FA 0.688	SAFP 6.885	
LCF from stem on CL / on sheer		3.847 / 4.027	
Maximum beam station from stem		4.380	
RM Measured		29.3kg·m	
RM Default		28.5kg·m	
Limit of positive stability / Stab.Index		101.9° / 93.9	
Freeboard at mast at 2.830		0.789	

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 7.230	E 2.900	MDT1 0.130	MW
IG 8.900	J 2.810	MDL1 0.130	GO
ISP 8.900	SFJ 0.020	MDT2	BD
BAS 1.320	SPL 3.040	MDL2	MWT
FSP	TPS	TL	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.110	0.57	1.04	1.80	2.45	12.28	V.Tamkvaitis	05-07-2017		Unknown						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2		0.57	1.11	2.24	3.37	4.44	8.62	158%	19.31			V.Tamkva	05-07-2017		Unknown	
3						3.36	8.60	120%	14.71			V.Gricius	02-07-2009		Unknown	
4						3.09	6.98	110%	10.98			V.Gricius	02-07-2009		Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	8.97	8.97	8.97	5.40	5.46	40.45	V.Gricius	02-07-2009		Unknown						
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	HERMIS
Certificate Number	LT241
Sail Nr	LTU 241
Issued On	2017-07-21

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1327.5	1114.6	991.5	918.9	887.6	875.3	882.0
52°	866.2	730.8	663.7	632.5	616.3	610.0	608.1
60°	815.7	693.1	641.8	614.8	595.5	586.7	582.3
75°	773.3	666.6	625.0	597.9	573.9	555.6	543.9
90°	773.7	665.0	613.5	583.2	570.2	549.1	518.3
110°	781.5	655.0	607.6	572.0	540.7	520.4	501.3
120°	808.9	666.4	614.2	578.7	546.6	519.5	481.9
135°	883.8	720.0	636.8	599.3	566.4	537.7	489.7
150°	1018.5	815.3	693.3	630.1	596.7	566.4	516.3
Run VMG	1176.0	940.2	794.4	695.9	637.3	603.4	547.6

Selected Courses							
Windward / Leeward	1251.8	1027.4	893.0	807.4	762.4	739.4	714.8
Circular Random	1064.1	861.3	752.4	689.0	650.0	625.1	596.3
Ocean for PCS	1295.1	1005.6	842.0	741.4	675.6	629.5	565.0
Non Spinnaker	1115.8	898.4	780.9	711.9	669.5	642.4	611.0

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	43.4°	42.7°	42.7°	41.4°	40.6°	40.2°	41.0°
Beat VMG	2.71	3.23	3.63	3.92	4.06	4.11	4.08
52°	4.16	4.93	5.42	5.69	5.84	5.90	5.92
60°	4.41	5.19	5.61	5.86	6.04	6.14	6.18
75°	4.66	5.40	5.76	6.02	6.27	6.48	6.62
90°	4.65	5.41	5.87	6.17	6.31	6.56	6.95
110°	4.61	5.50	5.92	6.29	6.66	6.92	7.18
120°	4.45	5.40	5.86	6.22	6.59	6.93	7.47
135°	4.07	5.00	5.65	6.01	6.36	6.70	7.35
150°	3.53	4.42	5.19	5.71	6.03	6.36	6.97
Run VMG	3.06	3.83	4.53	5.17	5.65	5.97	6.57
Gybe Angles	149.0°	152.4°	154.0°	173.7°	180.0°	180.0°	180.0°