

BOAT Name ADELE Sail Nr EST 467	GPH 651,9	HULL Length Overall 9,980m Maximum Beam 3,372m Displacement 4 820kg Draft 2,011m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,229% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension IMSL 9,179m VCGD -0,069m Sink 16,77kg/mm RL 7,740m VCGM -0,066m WS 22,54m² LSMO 9,026m Displacement/Length ratio 6,5548
GENERAL Class First 34.7 Designer Farr Builder Beneteau Series 10.2005 Age 05.2007 Age Allowance 0,390% Offset File F235.OFF - 27.07.2006 16:07:34 Measurement by A.Tetsmann - 09.06.2017		



Rating Office EYU Regati 1 11911, Tallinn Estonia
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	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	632,4			705,5		
Time On Time	0,9487			0,9567		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	753,7	576,0	508,4	978,0	711,9	608,3
Time on Time	0,8956	1,1718	1,3278	0,6902	0,9482	1,1097

Wind Velocity	TIME ALLOWANCES						
	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1130,0	936,9	830,0	759,0	729,2	715,5	704,4
52°	735,2	616,3	552,2	522,1	508,7	503,3	499,8
60°	690,9	581,5	531,6	508,2	494,6	487,8	483,0
75°	654,9	556,3	516,9	496,6	479,9	465,8	452,0
90°	656,9	553,0	507,0	488,5	477,5	460,9	430,7
110°	660,5	546,1	503,2	477,4	452,5	437,7	417,9
120°	679,8	559,0	509,4	483,1	457,9	432,6	399,8
135°	749,2	610,4	532,6	499,8	476,1	451,8	405,5
150°	891,5	706,3	595,4	529,6	499,8	477,7	433,2
Run VMG	1029,4	815,8	687,2	601,4	544,8	509,4	465,6

Certificate Number EST467 ORC Ref EST00001523 Issued On 17.07.2017 VPP Ver. 2017 1.00 Valid until 31.12.2017

Crew Weight Declared 695kg Default* 595kg Non Manual Pwr No
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Special Scoring ToD ToT Double H.GPH 655,0 0,9161 Double H.OSN 637,6 0,9410 Non Spin GPH 685,4 0,8754 Non Spin OSN 663,3 0,9046

Selected Courses							
Windward / Leeward	1079,7	876,3	758,6	680,2	637,0	612,5	585,0
Circular Random	903,4	727,4	632,2	576,4	541,7	518,8	490,1
Ocean for PCS	1107,7	853,8	709,8	621,3	563,7	523,5	467,7
Non Spinnaker	963,1	769,7	663,9	601,1	561,9	536,4	505,3

Sails Limitations Headsails 5 Spinnakers 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	43,4°	42,0°	42,2°	40,9°	39,7°	39,5°	39,1°
Beat VMG	3,19	3,84	4,34	4,74	4,94	5,03	5,11
52°	4,90	5,84	6,52	6,89	7,08	7,15	7,20
60°	5,21	6,19	6,77	7,08	7,28	7,38	7,45
75°	5,50	6,47	6,96	7,25	7,50	7,73	7,97
90°	5,48	6,51	7,10	7,37	7,54	7,81	8,36
110°	5,45	6,59	7,15	7,54	7,96	8,22	8,62
120°	5,30	6,44	7,07	7,45	7,86	8,32	9,00
135°	4,80	5,90	6,76	7,20	7,56	7,97	8,88
150°	4,04	5,10	6,05	6,80	7,20	7,54	8,31
Run VMG	3,50	4,41	5,24	5,99	6,61	7,07	7,73
Gybe Angles	146,0°	150,4°	150,6°	157,9°	176,5°	180,0°	180,0°

Class Division Length CDL = 8,460
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Storm Sails Areas Heavy Weather Jib 23,85 Storm Jib (JL=8,64) 8,83 Storm Trysail 9,72
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BOAT	
Name ADELE	Sail Nr EST 467
File Est0467	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 15.05.2008	SG	1,0020
FFM 1,288	FF 1,300	SFFP 0,172
FAM 1,014	FA 1,019	SAFP 9,530
W1 62,6	PD1 220,0	WD 10,260
W2 62,6	PD2 216,0	GSA 12,6
W3 62,6	PD3 217,0	RSA 4298,7
W4 62,6	PD4 219,0	PLM 2005,0
LCF from stem on CL / on sheer		5,432 / 5,668
Maximum beam station from stem		6,642
RM Measured		103,1kg·m
RM Default		101,4kg·m
Limit of positive stability / Stab.Index		125,7° / 126,0
Freeboard at mast at 3,640		1,157



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IMS Measurement Certificate

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 12,574	E 4,418	MDT1 0,117	MW 0,170
IG 13,210	J 3,640	MDL1 0,170	GO 0,192
ISP 13,240	SFJ 0,000	MDT2 0,117	BD
BAS 1,540	SPL 3,700	MDL2 0,135	MWT 129,10
FSP 0,070	TPS	TL 0,750	MCG 4,540

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD	0,410
Type Folding 2 blades	PBW	
Twin Screw No	PIPA	0,0036
ST1 0,120	ST3 0,180	ST5 0,180
ST2 0,180	ST4 0,110	EDL 1,800

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	MHB	MUW	MTW	MHW	MQW	Area Area (r) Formula
	0,180	0,92	1,65	2,78	3,65	32,63 33,25 P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	SLU	SLE	SL	SHW	SFL	Area Formula
	13,19	13,19	13,19	7,66	7,15	83,08 SL · (SFL + 4·SHW) / 6
Asymmetric	Not Available					

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,11	0,66	1,25	2,30	3,25	3,74	12,95	27,82	Y		12.07.2017	Unknow	
0,11	0,65	1,20	2,17	3,05	3,82	12,95	26,90	Y		04.07.2013	Unknow	
0,11	0,58	1,09	2,07	2,97	3,72	12,90	25,72	Y			Unknow	
0,10	0,49	0,91	1,76	2,66	3,57	12,27	21,95			26.05.2010	Unknow	

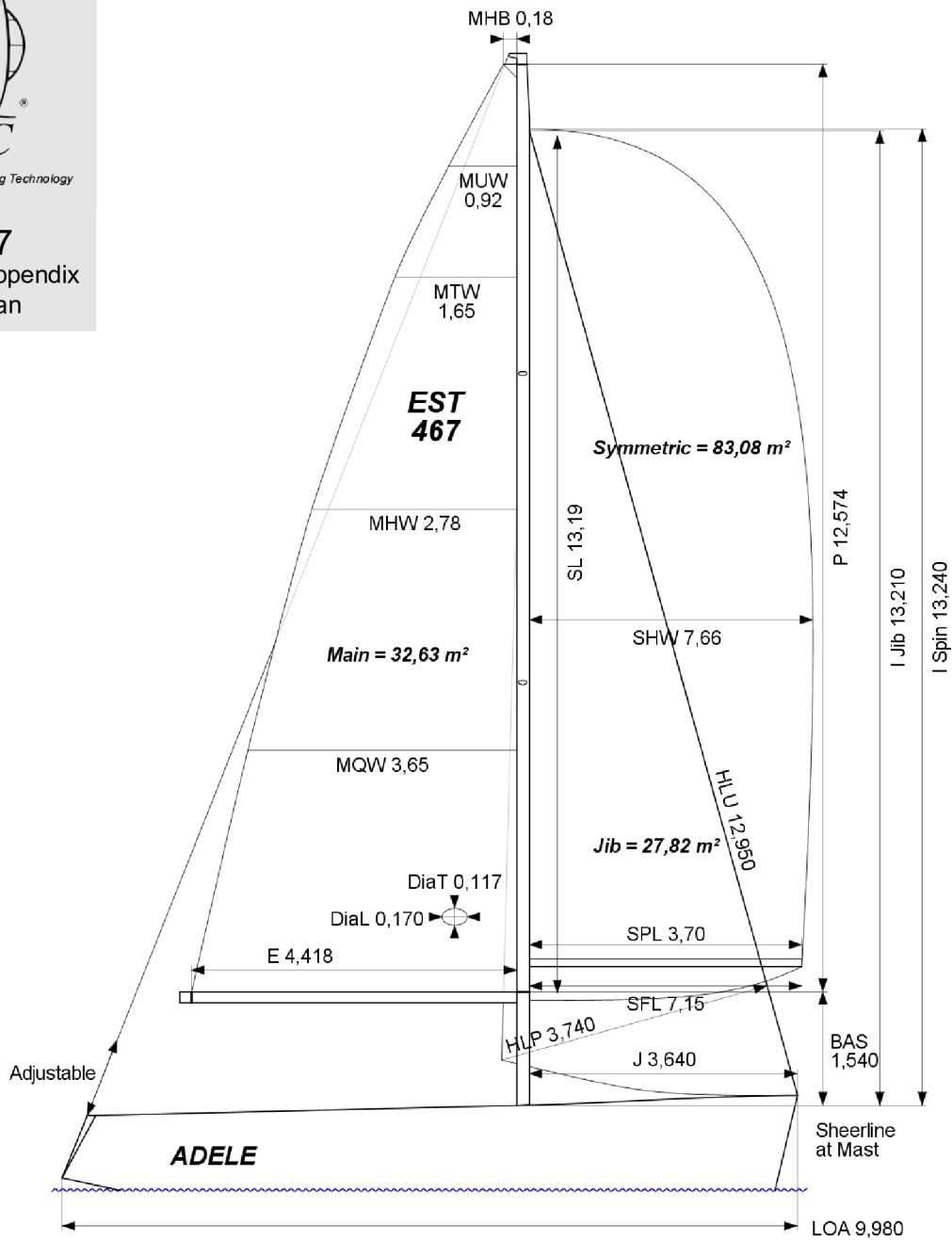
MEASUREMENT INVENTORY				
Measurer A Tetsmann EST 1				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Aneher	48,0	3,75	Aneher
4	Tools	7,5	5,70	Tools, portside
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	Water		100,0	4,00		Water tabk, portside
2	Tank	Fuel		60,0	7,55		Fuel tank, starboard
Id	Item	Weight	Distance	VCG	Description		
1	Battery		3,80		Battery Tudor 70Ah, portside		
2	Battery		4,10		Battery Varta 90Ah, portside		
1	Misc		7,00		Heater 15,0		
2	Misc		8,15		Shore power 10,0		



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Certificate Appendix
Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	0,180	0,92	1,65	2,78	3,65	32,63	EST 1	09.06.2017		Unknown						
HEADSAILS (4)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
7	0,11	0,66	1,25	2,30	3,25	3,74	12,95	103%	27,82	Y		EST 5	12.07.2017		Unknown	
5	0,11	0,65	1,20	2,17	3,05	3,82	12,95	105%	26,90	Y		EST 1	04.07.2013		Unknown	
6	0,11	0,58	1,09	2,07	2,97	3,72	12,90	102%	25,72	Y		EST 1			Unknown	
4	0,10	0,49	0,91	1,76	2,66	3,57	12,27	98%	21,95			D206	26.05.2010		Unknown	
SYMMETRIC SPINNAKERS (5)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
6	13,19	13,19	13,19	7,66	7,15	83,08	SLO 03 Gale	08.06.2017		Unknown						
5	13,10	13,10	13,10	6,84	6,55	74,04			OneSails	Unknown	S2					
4	13,10	13,10	13,10	6,82	6,50	73,75	EST 2	27.07.2013		Unknown						
2	12,98	12,98	12,98	6,59	6,34	70,74				Unknown						
3	13,02	13,02	13,02	6,00	6,50	66,19	EST 2	30.07.2012	OneSails	Unknown	S3					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				