

BOAT Name Eufore Sail Nr FIN-11844	GPH 580.3	HULL Length Overall 12.240m Maximum Beam 3.902m Displacement 7,911kg Draft 2.487m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.149% Hull Construction Cored Carbon Rudder Crew Arm Extension IMSL 11.249m VCGD -0.125m Sink 24.17kg/mm RL 9.918m VCGM -0.154m WS 33.02m² LSM0 11.071m Displacement/Length ratio 5.8300
GENERAL Class First 40 Designer Bruce Farr Builder Beneteau Series 10/2008 Age 04/2009 Age Allowance 0.390% Offset File F240.OFF - 23/01/2009 10:12:46 Measurement by - 24/07/2020		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	563.6			628.9		
Time on Time	1.0646			1.0732		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	664.6	514.0	459.0	857.5	631.6	548.9
Time on Time	1.0157	1.3132	1.4707	0.7872	1.0687	1.2297

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	985.4	811.9	715.1	670.5	654.2	647.3	632.4
52°	644.7	541.7	489.8	469.7	462.4	458.8	453.4
60°	609.0	516.9	475.9	458.3	449.8	445.8	441.9
75°	581.6	499.8	466.1	448.2	435.3	426.0	417.9
90°	588.0	497.6	462.9	446.4	430.6	415.6	392.9
110°	587.1	488.4	451.3	429.6	415.6	404.0	383.4
120°	601.7	496.9	455.3	430.7	407.1	388.6	365.8
135°	665.4	539.1	475.0	446.1	422.5	398.3	351.0
150°	786.3	627.4	531.1	475.9	448.4	426.4	382.1
Run VMG	908.0	724.5	613.2	543.3	497.0	462.0	418.3

Certificate
Number **11844**
ORC Ref **03290000NUP**
Issued On **04/08/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight
Default **796kg**
Maximum **795kg**
Minimum* **596kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **617.1 0.9723**
Non Spin OSN **599.1 1.0016**

Selected Courses							
Windward / Leeward	946.7	768.2	664.1	606.9	575.6	554.6	525.4
Circular Random	798.4	644.9	563.0	515.8	486.8	467.5	441.3
Coastal / Long Distance	942.8	721.5	599.8	532.0	496.7	468.8	423.8
Non Spinnaker	865.4	692.0	597.7	542.1	507.7	484.8	454.8

Sails Limitations
Headsails **6** Spinnakers **4**

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	42.8°	41.3°	40.5°	39.0°	38.3°	38.3°	38.3°
Beat VMG	3.65	4.43	5.03	5.37	5.50	5.56	5.69
52°	5.58	6.65	7.35	7.66	7.79	7.85	7.94
60°	5.91	6.96	7.57	7.85	8.00	8.08	8.15
75°	6.19	7.20	7.72	8.03	8.27	8.45	8.61
90°	6.12	7.23	7.78	8.06	8.36	8.66	9.16
110°	6.13	7.37	7.98	8.38	8.66	8.91	9.39
120°	5.98	7.25	7.91	8.36	8.84	9.26	9.84
135°	5.41	6.68	7.58	8.07	8.52	9.04	10.26
150°	4.58	5.74	6.78	7.56	8.03	8.44	9.42
Run VMG	3.96	4.97	5.87	6.63	7.24	7.79	8.61
Gybe Angles	143.3°	147.5°	150.0°	156.0°	170.0°	180.0°	180.0°

Class Division Length
CDL = **10.579**

Storm Sails Areas
Heavy Weather Jib **37.66**
Storm Jib (JL=10.86) **13.95**
Storm Trysail **15.59**

Owner

BOAT	
Name Eufore File L11844	Sail Nr FIN-11844 Data in meters/kilograms
RIG	
Forestay Tension Aft	Spreaders 3
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler
Fiber Rigging	Main Furler No
Non-Circular Rigging	
Articulated Bowsprit	
P 16.101	E 5.530 MDT1 0.130 MW 0.235
IG 16.519	J 4.580 MDL1 0.235 GO 0.285
ISP 18.089	SFJ 0.000 MDT2 0.130 BD 0.218
BAS 1.739	SPL 4.800 MDL2 0.190 MWT 266.00
FSD 0.040	TPS 5.425 TL 1.065 MCG 5.894

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 02/05/2017		SG 1.0050
FFM 1.360	FF 1.360	SFFP 0.261
FAM 1.044	FA 1.065	SAFP 11.831
W1 114.9	PD1 527.1	WD 12.550
W2 114.9	PD2 535.1	GSA 1.0
W3 114.9	PD3 534.4	RSA 1.0
W4 114.9	PD4 524.4	PLM 9000.0
LCF from stem on CL / on sheer		6.662 / 6.921
Maximum beam station from stem		7.802
RM Measured		214.2kg-m
RM Default		201.9kg-m
Limit of positive stability / Stab.Index		126.6° / 129.7
Freeboard at mast at 4.580		1.244



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.457	
Type Folding 2 blades	PBW	
Twin Screw	PIPA 0.0037	
ST1 0.042	ST3 0.180	ST5 0.310
ST2 0.180	ST4 0.112	EDL 2.212

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Number 11844	
ORC Ref 03290000NUP	
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Valid until 31/12/2020	

COMMENTS	
ADVERTISING LICENSE 2020 BY FSBF Propeller installation to be meas before 2021	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.17	1.17	2.09	3.60	4.67	53.25	54.32	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	17.30	17.30	17.30	9.60	8.80	136.09		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	Flying	Meas.Date	Material	Comment
0.09	0.68	1.32	2.53	3.72	4.87	16.40	41.04		No		Unknow	
0.11	0.69	1.32	2.54	3.73	4.90	16.31	41.00	Y	No	17/05/2016	Unknow	
0.11	0.73	1.35	2.53	3.66	4.80	16.40	40.82	Y	No	02/07/2020	Unknow	
0.11	0.72	1.35	2.52	3.65	4.79	16.40	40.70	Y	No	16/05/2018	Unknow	

MEASUREMENT INVENTORY				
Measurer				
Date 02/05/2017				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	39 HP	
Id	Item	Weight Description		

MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank Fuel		Plastic	130.0	9.48		130.0	Full	
2	Tank Waste		Plastic	80.0	3.58		0.0	Empty	
3	Tank Water		2 x Plastic	200.0	5.44		0.0	Empty	
4	Tank Boiler			95.0	5.38		0.0		
Id	Item	Weight	Distance	VCG Description					
1	Battery	8.68		100 Ah start					
2	Battery	9.18		2 x 110 Ah					
1	Misc	10.48		Safire heater					

