

# 2014 OFFSHORE RACING RULE CERTIFICATE™



**YACHT NAME:** FAMILY AFFAIR  
**SAIL NUMBER:** USA- 79117  
**ADDRESS:** [REDACTED]  
**Signature:** \_\_\_\_\_

**CERTIFICATE#:** US42378      **AGE DATE:** 4/1/1992  
**ISSUED DATE:** 5/12/2014 3:03:06 PM  
**YEAR VALID:** 2014  
**CLASS:** Beneteau 45F5  
**BUILDER:** BENETEAU  
**OFFSETS FILE:** US30010 OFF      **ABS PLAN:** Not filed  
**MEASUREMENT:** FULL (Feet/Pounds)  
**Freeboard Date:** 3/21/2014  
**Inclining Data:** 3/21/2014  
**RIG TYPE:** Sloop  
**SPNNAKER TYPE:** Symmetrical  
**KEEL TYPE:** Fixed keel  
**PROP INSTALL:** Out of aperture      **PRD:** 1 380  
**PROP TYPE:** Folding 3 Blade      **PBW:** 0 500

LOA	44 93	DRAFT	8 170
Rated L	39 614	ECE	0 000
BMAX	14 00	Wet AREA	408 00
Stability Index	134 7	PIPA	0 0739
LPS	129 2	RMC	2687 5
CREW	1580	VCGM	-1 243
Frbd Fwd M	4 531	RM2	2742 4
Frbd Aft M	3 542	RM20	2568 1
SG	1 003	RM40	2158 6
SFFP	2 297	RM60	1553 9
SAFP	39 431	RM90	761 7
DISP Meas	24820	MWT	0 0
Water Ballast	0	MCG	0 000

Genoa/Spinnakers		Mainsail/Mast Meas.		Mizzen Meas.	
J	16 480	IG	55 850	PY	0 000
LPGenoa	155 %	ISP	56 370	EY	0 000
FSP	0 280	GO	0 920	HBV	0 000
JL	53 600	MW	0 790	MGTY	0 00
JLE	0 000	P	57 860	MGUY	0 00
JR	0 000	E	19 440	MGMY	0 00
SPL	18 110	HB	0 660	MGLY	0 00
SL	52 50	MGT	3 70	MDT1Y	0 00
SMW	29 70	MGU	6 50	MDL1Y	0 00
SF	27 90	MGM	11 60	MDT2Y	0 00
ASL	0 00	MGL	15 00	MDL2Y	0 00
AMG	0 00	MDT1	0 39	TLY	0 00
ASF	0 00	MDL1	0 79	EB	0 00
A Genoa	685 5	MDT2	0 39	YSD	0 0
A Sym	1283 6	MDL2	0 63	YSF	0 0
A Asym	0 0	TL	6 60	YSMG	0 0
		MSWgt	113 0	A Mizzen	0 0
		A Main	625 0		

TABLE OF RATINGS	Time-on-Time (TOT)	Wind Speed						
		6kt	8kt	10kt	12kt	16kt	20kt	24kt
GPH:	586.0							
CLOSED COURSE:	0.944	744.3	610.8	539.8	498.4	454.9	431.8	417.1
WW 60%, LW 40%:	0.959	1000.1	804.9	692.9	627.4	557.6	526.5	509.4
WW 50%, LW 50%:	0.953	1002.9	803.0	687.8	618.5	543.5	509.9	490.1
Bermuda Course:	0.999	911.2	701.5	583.4	508.3	431.6	393.2	366.2
Ocean Non-Spin:	0.957	953.1	732.4	608.5	530.0	450.2	410.5	383.1
Offshore Offwind:	0.933	873.8	692.8	591.1	528.3	456.9	416.4	386.3

Chicago-Mackinac All-Purpose TOT	0.953	Puerto Vallarta TOT:	0.593	Acapulco	TOD	TOT
Chicago-Mackinac Offwind TOT	0.933	Cabo San Lucas TOD	543.4	WW/LW:	687.8	0.857
Pacific Cup TOD	453.2	Cabo San Lucas TOT:	0.671	Random:	586.0	0.862
Time on Distance Scoring: Corr Time = ElapsedTime - (Rating - Rating Scratch) x Distance		WW/LW5:	692.9	StatFit:	575.5	0.860
Time on Time Scoring: Corr Time = ElapsedTime x TOT						0.863