

Measurement Certificate



Sail No. **411**

Issue Date January 24, 2004

Status **Approved**

Ontario _____ Colors White _____ White _____ None _____
 Builder _____ Serial Number _____ Hull _____ Deck _____ Waterline _____

Section 3: Rudder

(Units in mm except for weights)

	<u>Measurement</u>	<u>Min.</u>	<u>Max.</u>
R3.1 HDP Rudder.....	84	76	89
R3.2 Rudder Trailing Edge Length.....	1101	1099	1111
R3.3 Rudder Leading Edge Length.....	1096	1092	1105
R3.4 Rudder Top.....	430	431	438
R3.5 Rudder Bottom.....	205	199	206
R3.6 Rudder Top Thickness.....	67	63	70
R3.7 Rudder Bottom Thickness.....	25	24	28
R3.8 Rudder Trailing Edge Thickness (P/F)..	Pass		
R3.9 Rudder Space (P/F).....	Pass	3	

Comments

- Keel grandfathered C
- Rudder grandfathered
- Requires weighing
- Correctors by factory
- Mast is certified
- Mast not measured
- Deck not measured
- Serial number missing

Section 4: Keel

R4.1 HDP Keel Top.....	2933	2925	2950
R4.2 HDP Keel Bottom.....	3057	3040	3064
R4.3 Keel Depth.....	235	230	245
R4.4 Keel Top Chord.....	1037	1025	1042
R4.5 Keel Top 10%.....	85	78	84
R4.6 Keel Top 20%.....	105	98	103
R4.7 Keel Top 40%.....	116	109	114
R4.8 Keel Top 70%.....	86	79	84
R4.9 Keel Bottom Chord.....	665	662	678
R4.10 Keel Bottom 10%.....	47	46	53
R4.11 Keel Bottom 20%.....	64	62	67
R4.12 Keel Bottom 40%.....	73	70	75
R4.13 Keel Bottom 70%.....	56	51	56
R4.14 Keel Trailing Edge Top Thick. (P/F)....	Pass	6.5	
R4.15 Keel Trailing Edge Bottom (P/F).....	Pass	3.0	
R4.16 Keel Trailing Edge Straight (P/F).....	Pass	P/F	
R4.17 Keel Leading Edge Straight (P/F).....	Pass	P/F	
R4.18 Keel Bottom Straight (P/F).....	Pass	P/F	
R4.19 Keel Section Maintained (P/F).....	Pass	P/F	

Keel was repaired prior to March, 2000 deadline.

Section 5: Deck**Measurement****Min.****Max.****Sail No.****Version**

R5.1 Forestay Location (P/F).....	Pass	135	155
R5.2 Forestay to Chainplate (P/F).....	Pass	2946	2997
R5.3 Chainplate to Sheerline (P/F).....	Pass	152	178
R5.4 Partners (P/F).....	Pass	206	206
R5.5 Mast Step Thickness (P/F).....	Pass		17
R5.6 Mast Heel Point.....	729	717	740

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10/5/05

NOTE:

A copy of this certificate is to be held by the owner(s) of this Sonar and presented on demand as required as class sanctioned events.

If this Sonar is no longer in your possession, please provide the name and address of the new owner below and send the original copy of this certificate to the S.C.A. secretary.

Section 6: Spars

R6.1 Mast Length.....	10290		10315
R6.2 Upper Band Height (P/F).....	Pass		10110
R6.3 Upper Band Width (P/F).....	Pass	25	
R6.4 Mast Fore and Aft (P/F).....	Pass	100	103
R6.5 Mast Transverse (P/F).....	Pass	66	72
R6.6 Spinnaker Hoist.....	8362		8389
R6.7 Forestay Height.....	8230	8223	8236
R6.8 Upper Shroud Height.....	8230	8223	8236
R6.9 Spar Curvature (P/F).....	Pass		
R6.10 Spreader Height.....	4570		50
R6.11 Spreader Transverse Length.....	1462	4555	4570
R6.12 Spreader For and Aft Length.....	86	1426	1486
R6.13 Lower Shroud Height.....	4445	71	135
R6.14 Upper Spin Pole Height.....	2439	4438	4451
R6.15 Lower Spin Pole Height.....	2055	2432	2445
R6.16 Spin Pole Projection (P/F).....	Pass	2042	2064
R6.17 Fore and Aft Spreader section (P/F).....	Pass		60
R6.18 Vertical Spreader section (P/F).....	Pass		
R6.19 Lower band Height (P/F).....	Pass	45	
R6.20 Lower Band Width. (P/F).....	Pass	18	
R6.21 Forestay Length (P/F).....	Pass	1727	
R6.22 Forestay Diameter (P/F).....	Pass	25	
R6.23 Shroud Diameter (P/F).....	Pass		
R6.24 Backstay Diameter (P/F).....	Pass	7848	8001
R6.25 Mast Tip Weight (kg).....	10.4	3.8	
R6.26 Boom Curvature (P/F).....	Pass	3.8	
R6.27 Boom Vertical section (P/F).....	Pass	3.0	
R6.28 Boom Transverse section (P/F).....	Pass	10	
R6.29 Boom Band Width (P/F).....	Pass		25
R6.30 Boom Band Distance (P/F).....	Pass		
R6.31 Spin Pole Length (P/F).....	Pass	88	98
R6.32 Spin Pole Diameter (P/F).....	Pass	55	65
R6.33 Whisker Pole Length (P/F).....		25	
R6.34 Whisker Pole Diameter (P/F).....			3404

NAME _____

ADDRESS _____

PHONE _____

EMAIL _____

Section 7: Racing Weights

R7.1 Lifting Sling Weight (P/F).....	Pass	50	3kg
R7.2 Racing Weight (kg).....	933.0		3100
R7.3 Corrector Forward (kg).....	4.0	950kg w/correctors	64
R7.3 Corrector Sump (kg).....	9.0		
R7.3 Corrector Aft (kg).....	4.0		