

Measurement Certificate



Sail No. **454**

Issue Date January 24, 2004

Status **Approved**

Ontario ZTYSR454E888 Colors White White Blue
 Builder Serial Number Hull Deck Waterline

Section 3: Rudder

Measurement	Min.	Max.
R3.1 HDP Rudder.....	85	76 89
R3.2 Rudder Trailing Edge Length.....	1107	1099 1111
R3.3 Rudder Leading Edge Length.....	1099	1092 1105
R3.4 Rudder Top.....	436	431 438
R3.5 Rudder Bottom.....	202	199 206
R3.6 Rudder Top Thickness.....	70.5	63 70
R3.7 Rudder Bottom Thickness.....	28.5	24 28
R3.8 Rudder Trailing Edge Thickness (P/F)..	Pass	3
R3.9 Rudder Space (P/F).....	Pass	13

(Units in mm except for weights)

Comments

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

Section 4: Keel

R4.1 HDP Keel Top.....	2925	2925	2950
R4.2 HDP Keel Bottom.....	3042	3040	3064
R4.3 Keel Depth.....	240	230	245
R4.4 Keel Top Chord.....	1035	1025	1042
R4.5 Keel Top 10%.....	80.17	78	84
R4.6 Keel Top 20%.....	100.23	98	103
R4.7 Keel Top 40%.....	113.58	109	114
R4.8 Keel Top 70%.....	81.33	79	84
R4.9 Keel Bottom Chord.....	674	662	678
R4.10 Keel Bottom 10%.....	52.2	46	53
R4.11 Keel Bottom 20%.....	66.5	62	67
R4.12 Keel Bottom 40%.....	74.2	70	75
R4.13 Keel Bottom 70%.....	53.1	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	

2001-Keel stiffened, faired.

Section 5: Deck

Measurement	Min.	Max.
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.....	720	717 740

Sail No.**454****Version**

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.....	10292	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.....	30	8389
R6.7 Forestay Height.....	8228	8223 8236
R6.8 Upper Shroud Height.....	8223	8223 8236
R6.9 Spar Curvature (P/F).....	Pass	50
R6.10 Spreader Height.....	4556	4555 4570
R6.11 Spreader Transverse Length.....	1469	1426 1486
R6.12 Spreader For and Aft Length.....	83	71 135
R6.13 Lower Shroud Height.....	4443	4438 4451
R6.14 Upper Spin Pole Height.....	2438	2432 2445
R6.15 Lower Spin Pole Height.....	2055	2042 2064
R6.16 Spin Pole Projection (P/F).....	Pass	60
R6.17 Fore and Aft Spreader section (P/F).....	Pass	45
R6.18 Vertical Spreader section (P/F).....	Pass	18
R6.19 Lower band Height (P/F).....	Pass	1727
R6.20 Lower Band Width. (P/F).....	Pass	25
R6.21 Forestay Length (P/F).....	Pass	7848 8001
R6.22 Forestay Diameter (P/F).....	Pass	3.8
R6.23 Shroud Diameter (P/F).....	Pass	3.8
R6.24 Backstay Diameter (P/F).....	Pass	3.0
R6.25 Mast Tip Weight (kg).....	10.91	10
R6.26 Boom Curvature (P/F).....	Pass	25
R6.27 Boom Vertical section (P/F).....	Pass	88 98
R6.28 Boom Transverse section (P/F).....	Pass	55 65
R6.29 Boom Band Width (P/F).....	Pass	25
R6.30 Boom Band Distance (P/F).....	Pass	3404
R6.31 Spin Pole Length (P/F).....	Pass	2597 2610
R6.32 Spin Pole Diameter (P/F).....	Pass	50
R6.33 Whisker Pole Length (P/F).....		3100
R6.34 Whisker Pole Diameter (P/F).....		64

NAME _____**ADDRESS** _____**PHONE** _____**EMAIL** _____**Section 7: Racing Weights**

R7.1 Lifting Sling Weight (P/F).....	Pass	3kg
R7.2 Racing Weight (kg).....	935.0	950kg w/correctors
R7.3 Corrector Forward (kg).....	3.0	
R7.3 Corrector Sump (kg).....	9.0	
R7.3 Corrector Aft (kg).....	3.0	