

Measurement Certificate



Sail No. **487**

Issue Date November 2, 2009

Status **Approved**

Ontario ZTYSR487H090 Colors White White Blue
 Builder Serial Number Hull Deck Waterline

Section 3: Rudder

(Units in mm except for weights)

	Measurement	Min.	Max.
R3.1 HDP Rudder.....	89	76	89
R3.2 Rudder Trailing Edge Length.....	1108	1099	1111
R3.3 Rudder Leading Edge Length.....	1096	1092	1105
R3.4 Rudder Top.....	433	431	438
R3.5 Rudder Bottom.....	204	199	206
R3.6 Rudder Top Thickness.....	68	63	70
R3.7 Rudder Bottom Thickness.....	26	24	28
R3.8 Rudder Trailing Edge Thickness (P/F)..	Pass	3	
R3.9 Rudder Space (P/F).....	Pass		13

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.....	2945	2925	2950
R4.2 HDP Keel Bottom.....	3062	3040	3064
R4.3 Keel Depth.....	232	230	245
R4.4 Keel Top Chord.....	1018	1025	1042
R4.5 Keel Top 10%.....	78	78	84
R4.6 Keel Top 20%.....	100	98	103
R4.7 Keel Top 40%.....	113	109	114
R4.8 Keel Top 70%.....	80	79	84
R4.9 Keel Bottom Chord.....	656	662	678
R4.10 Keel Bottom 10%.....	47.1	46	53
R4.11 Keel Bottom 20%.....	65	62	67
R4.12 Keel Bottom 40%.....	73	70	75
R4.13 Keel Bottom 70%.....	52	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	

Weighed by Hinkel at 2009
Worlds

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.....	734	717	740

Sail No.**487****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.....	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.....	8380		8389
R6.7 Forestay Height.....	8232	8223	8236
R6.8 Upper Shroud Height.....	8232	8223	8236
R6.9 Spar Curvature (P/F).....	Pass		50
R6.10 Spreader Height.....	4565	4555	4570
R6.11 Spreader Transverse Length.....	1476	1426	1486
R6.12 Spreader For and Aft Length.....	84	71	135
R6.13 Lower Shroud Height.....	4445	4438	4451
R6.14 Upper Spin Pole Height.....	2442	2432	2445
R6.15 Lower Spin Pole Height.....	2061	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).....	10.3	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).....	956.0	950kg w/correctors	
R7.3 Corrector Forward (kg).....			
R7.3 Corrector Sump (kg).....			
R7.3 Corrector Aft (kg).....			