

Measurement Certificate



Sail No. **369**

Issue Date January 24, 2004

Status **Approved**

Ontario _____ Colors White Beige _____ Blue _____
 Builder _____ Serial Number _____ Hull _____ Deck _____ Waterline _____

Section 3: Rudder

(Units in mm except for weights)

| | Measurement | Min. | Max. |
|---|-------------|------|------|
| R3.1 HDP Rudder..... | 82 | 76 | 89 |
| R3.2 Rudder Trailing Edge Length..... | 1110 | 1099 | 1111 |
| R3.3 Rudder Leading Edge Length..... | 1097 | 1092 | 1105 |
| R3.4 Rudder Top..... | 437 | 431 | 438 |
| R3.5 Rudder Bottom..... | 200 | 199 | 206 |
| R3.6 Rudder Top Thickness..... | 68 | 63 | 70 |
| R3.7 Rudder Bottom Thickness..... | 24 | 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..... | 2930 | 2925 | 2950 |
| R4.2 HDP Keel Bottom..... | 3055 | 3040 | 3064 |
| R4.3 Keel Depth..... | 242 | 230 | 245 |
| R4.4 Keel Top Chord..... | 1037 | 1025 | 1042 |
| R4.5 Keel Top 10%..... | 82 | 78 | 84 |
| R4.6 Keel Top 20%..... | 101 | 98 | 103 |
| R4.7 Keel Top 40%..... | 112 | 109 | 114 |
| R4.8 Keel Top 70%..... | 82 | 79 | 84 |
| R4.9 Keel Bottom Chord..... | 669 | 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%..... | 57 | 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 | |

Serial number required.

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.**369****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..... | 8370 | 8389 |
| R6.7 Forestay Height..... | 8235 | 8223 8236 |
| R6.8 Upper Shroud Height..... | 8235 | 8223 8236 |
| R6.9 Spar Curvature (P/F)..... | Pass | 50 |
| R6.10 Spreader Height..... | 4570 | 4555 4570 |
| R6.11 Spreader Transverse Length..... | 1457 | 1426 1486 |
| R6.12 Spreader For and Aft Length..... | 92.1 | 71 135 |
| R6.13 Lower Shroud Height..... | 4450 | 4438 4451 |
| R6.14 Upper Spin Pole Height..... | 2435 | 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)..... | 10.4 | 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)..... | 941.5 | 950kg w/correctors |
| R7.3 Corrector Forward (kg)..... | | |
| R7.3 Corrector Sump (kg)..... | 8.5 | |
| R7.3 Corrector Aft (kg)..... | | |