



INTERNATIONAL
YACHT RACING
UNION

INTERNATIONAL FIVE POINT FIVE METRE CLASS

MEASUREMENT FORM AND CERTIFICATE OF RATING

Yacht's Name: Baba Jago Sail Number: SVIT 188
 Owner: Ch. Wilke Owner's Club: YC Greig
 Designer: Meyer + Schmitt Date Completed: 17. 4. 94
 IYRU Plaque No:

Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: fresh (State fresh or salt)
 Difference in immersion (Class Rule 23): 0.007 (metres)

Classification Society: Bureau Veritas
 Expiration date of Classification Certificate: Bureaupass Certificate

Measurements or partial re-measurements by National Authority Measurer, signature and date and

| Signature | Date | Item No |
|-----------|-------|---------|
| | | |
| | | |
| | | |

Expiration date of Certificate of Rating: 16. 4. 96
 Re-Rated:

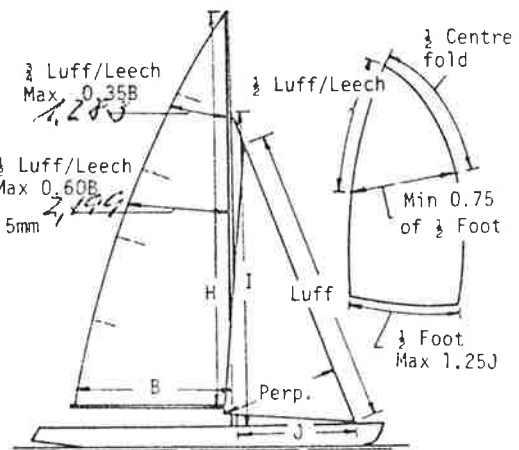
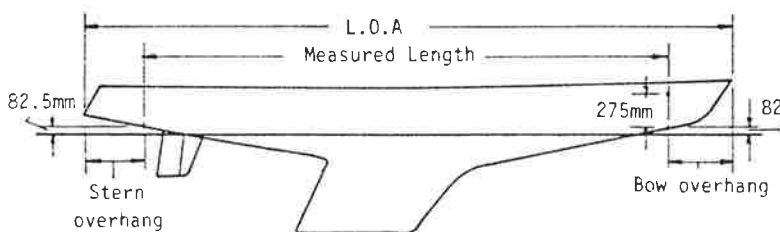
I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: O. Weber
 Signature of designer or builder: Ch. Wilke
 Signature of owner or representative: Ch. Wilke

Certificate authorised by: Jean PRÉMAT CT-FSV/USY Date: 28. 04. 94
 For: FÉDÉRATION SUISSE de VOILE FSV/USY
 (enter name of National Authority)

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| Item No | Rule No | Measurement | Min | Actual | Max |
|---------|---------|--|----------|--------|--------------------|
| 1 | 23(e) | HULL Immersion checked in salt/fresh water (Date) | | | |
| 2 | 13 | Weight of inside ballast placed at <u>1.4 m aft of transom</u> | | 20 kg | |
| 3 | 5 | Beam | 1.90m | 1.933 | |
| 4 | 2 | Max. Draft | | 1.242 | 1.35m |
| 5 | 4 | Freeboard at bow girth station | .753 | | |
| 6 | 4 | Freeboard at stern girth station | .537 | | |
| 7 | 4 | Freeboard at midship mark <u>1.85m</u> | .604 | | |
| 8 | 4 | Freeboard average (Item 5+6+7) | 6.28m | 0.632 | |
| 9 | 14(iii) | Keel and ballast materials (lead or iron) | | lead | |
| 10 | 14(iv) | Keel height of round at bottom | 75mm | 10 | |
| 11 | 14(iv) | Maximum section width down to 1m from LWL | 150mm | 155 | |
| 12 | 8 | Stern angle | 1 in 5.5 | 0.219 | |
| 13 | 9 | Round of beams | 5.754 | incl | 7mm in 305mm |
| 14 | 10 | Tumblehome | | to 25° | |
| 15 | | Deduct 2% of max. beam | | 38 | |
| 16 | 10 | Excess tumblehome (Item 16-15) | | incl | |
| 17 | 11 | Area of deck openings | | 2.240 | 2.25m ² |
| 18 | 12 | Cockpit forward of L1 mark | 1.75m | 2.560 | |
| 19 | 11 | Breadth of side decks | 35cm | 0.370 | |



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| Item No | Rule No | Measurement | Min (actual) | Actual | Max |
|---------|---------|---|--------------------|-------------|--------------------|
| | | LENGTH L FOR RATING | | | |
| 40 | 3 | Overall length LOA | 8934 | | |
| 41 | 3 | Bow Overhang L ₁ | 694 | | |
| 42 | 3 | Stern Overhang L ₁ | 825 | | |
| 43 | 3 | Total Overhang (Item 41+42) | 1519 | | |
| 44 | 3 | Measured Length L ₁ (Item 40-43) | | 7415 | |
| 45 | 3 | Girth at bow | 719 | | |
| 46 | 3 | Twice Vertical height at bow (= 0.55m) | 150 | | |
| 47 | 3 | Bow girth difference (Item 45-46) | 165mm | 169 | |
| 48 | 3 | Girth at stern | 1636 | | |
| 49 | 3 | Twice vertical height at stern | 908 | | |
| 50 | 3 | Stern girth difference (Item 48-49) | 728 | | |
| 51 | 3 | 1/3 stern girth difference (50 divided by 3) | 234mm | 243 | |
| 52 | 3 | Length L for rating formula (Item 44+47+51) | | 7827 | |
| | | SAIL AREA FOR RATING | | | |
| 53 | 17 | Largest headsail = 0.5 x _____ (luff) x _____ (perp) | Item 24 | 9480 | |
| 54 | 18 | Mainsail = 0.5 x <u>16370</u> (H) x <u>3665</u> (B) | | 19004 | |
| 55 | 2 | Total sail area S (53+54) | 26.5m ² | 28484 | 29.0m ² |
| 56 | | \sqrt{S} | | 5337 | |
| | | DISPLACEMENT | | | |
| 57 | 13 | Weight of yacht (date when weighed) <u>494</u> | | 1930 | |
| 58 | 13 | Displacement D = weight ÷ 1025.21kg/m ³ | 1.7m ³ | 1883 | 2.0m ³ |
| 59 | 13 | $\sqrt[3]{D}$ | | 1.275 | |
| | | RATING | | | |
| 60 | 2 | Rating calculated according to formula | | 6.110 * 0.9 | |
| 61 | 10 | 3 x tumblehome excess (add to Item 60 for final rating) | | 4020 | |
| 62 | 2 | FINAL RATING | | 5499 | |

| Item No | Rule No | Measurement | Min | Actual | Max |
|---------|---------|---|-------------|------------------|-------------------|
| | | SAILS AND RIGGING | | | |
| 20 | 16 | Height of sailplan above covering board level | | 11.100 | 11.10m |
| 21 | 18 | Height of boom (black band) above covering board level | 0.5m | 0.730 | 0.85m |
| 22 | 17 | Height of fore triangle above covering board level (I) | | 8.880 | 8.88m |
| 23 | 16 | Base of fore triangle (J) (Deck black band to be checked) | for calcul. | 2.580 (2.669) | 0.50 x \sqrt{S} |
| 24 | 16 | Min. Headsail for measurement purposes = 0.5 x I x J x 80% | | 9.480 | |
| 25 | 19 | Spinnaker, halliard above forestay | | 0.100 | 10cm |
| 26 | 19 | Spinnaker halliard out from mast | | 0.001 | 3cm |
| 27 | 19 | Spinnaker breadth of half the foot | | 3.336 | 1.25 x J |
| 28 | 19 | Storm spinnaker, breadth of half the foot | | 2.669 | J |
| 29 | 20 | Spinnaker boom length | | 2.669 | J |
| 30 | 21 | Mast diameter at 1/2 ht. of fore triangle, round mast | 11.5cm | 11.7/104 | |
| 31 | 21 | Mast diameter at deck, round mast | 10.9cm | 11.7/104 | |
| 32 | 21 | Mast diameter at jib halliards, round mast | 9.2cm | 11.3/83 | |
| 33 | 21 | Mast diameter at top, round mast | 5.8cm | 7.4/54 | |
| | | (The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less) | | | |
| 34 | 21 | Tip weight of mast | 16kgs | 18.5 | |
| 35 | 22 | Boom depth | | 0.117 | 15.2cm |
| 36 | 22 | Boom width | 3.8cm | 0.079 | |
| | | MISCELLANEOUS | | | |
| 37 | 29 | Weight of anchor | 11kgs | 12 kg. | 13kgs |
| 38 | 29 | Length of warp (min. diameter 9mm) | 30m | 30.0 | |
| 39 | 23 | Top of I marks above water with yacht in racing trim | | OK | |

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