

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sec.A. Description of Measured Yacht

1. Yacht's Number 6246 CSS Nr 83
2. Number Molded Or Cut Into Keelson? yes
3. Yacht Name STAR SHIP
4. Year Built 1978
5. Builder Sune Carlsson Bålvärk Sweden
6. Owner Folke Norén
7. Address 388 Edgewood ave. Mill Valley Ca. USA 94941
8. Fleet _____
9. Remarks _____

Sec.B. Declarations

1. To Be Signed By Builder:
I Certify that this yacht has been constructed in accordance with the current plans and specifications of the I.S.C.Y.R.A.
Print Name Sune Carlsson
Signed [Signature] Date 7 Feb. 1978
2. To Be Signed By Outfitter: (If Other Than Builder)
I Certify that this yacht is, to the best of my knowledge, fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.
Print Name _____
Signed _____ Date _____
3. To Be Signed By Certified Star Class Measurer:
I Certify that I have measured the following items on this yacht, that the particulars on this form are correct, and that to the best of my knowledge this yacht complies with the rules of the I.S.C.Y.R.A. at present in force, unless noted in a letter, attached.
Items 1-8 Hull, Rudder, Skeg, Keel
Print Name Jan Bojefors
Signed: [Signature] Date -78 02 07
Item 9 Spars and Yacht Weight (Fleet or Class Officer Accepted)
Print Name Sune Carlsson
Signed: [Signature] Date 7 Feb 1978
4. To Be Signed By Owner When Yacht Is Either Sold Or Structurally Altered.
I Certify that no alterations have been made to this yacht since original date of measurement, unless a rider describing measurements is attached.
Signed _____ Date _____
Sold To: _____ Of _____
Return This Certificate For Renewal - See Sec D.3.

PRINTED IN U.S.A.

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Sec. C.

Instructions To Measurers

1. The duties of a Certified Measurer are confined to measuring yachts and reporting facts. He has no authority to grant or reject certificates or interpret rules. Complete instructions as to how to measure will be sent to him by the International Measuring Committee after his appointment.
2. This Form must be made out by the Certified Measurer IN DUPLICATE. He must answer all questions in Sect. A, and fill in all dimensions, and file both copies with International Measurement Committee. In the case when all dimensions are not available, file one copy with I.M.C. and forward one copy to owner who becomes responsible for obtaining completion of measurements.
3. Declarations must be signed by the builders and/or outfitters as well as the measurers.
4. Certified Measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment, and Certified Measurers are advised to collect their fee before filing this Form.
5. A Certified Measurer cannot measure a yacht in which he owns an interest except under duly appointed and authorized supervision.

Sec. D.

Conditions Under Which Certificate Is Issued

1. This Certificate is not valid unless it bears the inspection stamp of the I.S.C.Y.R.A. and is signed by the Chairman of the International Measurement Committee. It shall be automatically revoked if any structural alterations are made or if not properly endorsed over to a new owner by former owner, or may be revoked at any time by order of the International Measurement Committee or the International Governing Committee of the International Star Class Yacht Racing Association.
 2. This Certificate shall be binding upon all members, Star Fleets, Clubs, or organizations conducting races for the Star Class as such. The holder of this Certificate shall not be subject to protest on hull measurements unless an order to remeasure is obtained from the International Race Committee, International Measurement Committee, or International Governing Committee, or unless the protesting party has submitted evidence to show there are reasonable grounds to suspect subsequent alterations or other justifiable causes. See By-Laws, Article VI.
 3. This Certificate should be renewed when yacht is altered or sold. For renewal, send this Certificate and \$5.00 to International Measurement Committee, with notation as to any changes in Section A, or Section E.
4. Warning

Spars, position of keel, or anything else that is not an integral part of the hull, can easily be changed and should not be depended upon. These, as reported on original certificate, serve also as a protection to the purchaser of a new boat, but are subject to remeasurement as noted above.

NOTE-This space is reserved for International Measurement Committee use.



The International Measurement Committee, having examined all facts and figures certified to herein, finds that the yacht herein described conforms with the plans and specifications of the Star Class within the limitations of the measuring rules, and therefore, grants this Certificate to the said yacht subject to the conditions above set forth for so long as the owner or owners of the said yacht are members of the International Star Class Yacht Racing Association.

Signed William V. Richards
Chairman International Measurement Committee.

Date 1978 Feb 19

SECTION E

2 HEIGHTS*

STATIONS	1	2	3	4	5	6	7	8	9	10
KEEL	486	353	254	179	121	104	127	191	280	390
CHINE			307			231		298		445
SIDE	812		786			749		719		690
BOT.ARC			0h			0h		0h		0h

*MEASURED FROM BASE LINE

3 HALF BREADTHS

STATIONS	1	3	6	8	STERN
DECK	203	616	860	790	500
CHINE	90	404	674	628	466

4 RUDDER FITS TEMPLATE? 0h

THICKNESS 29 POST DIA 25MM

5 SKEG DEPTH 428
" LENGTH 842
" CONTOUR 3

6 KEEL DIMENSIONS

K1 1150
K2 1240 1235 (wr)
K3 35
K4 1352
K5 25
K6 775
K7 215
K8 286
K9 815

7 WEIGHTS*

KEEL (WITH FINISH) _____
404
HULL (AS MOLDED) _____
196

8 BUOYANCY

CONTAINED IN HULL _____
ADDITIONAL 830 L
☐ TANKS
☒ COMPARTMENTS
☐ CLOSED CELL FOAM

I.S.C.★Y.R.A.

(Metric Measurements Preferred)

1 HULL MEASUREMENTS

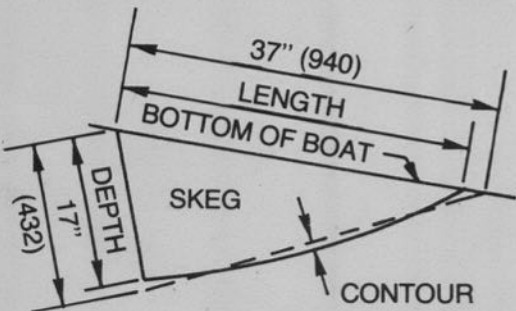
YACHT NO. 6246
WOOD OR G.R.P. GRP
L.O.A. 6928
DIMENSION "A" 2306
" "B" 1187
" "C" 1288
" "E" 2130
" "P" 298
" "R" 1990
" "S" 7
" "T" 150

CHINE RADIUS OK? 0h
STEM RADIUS OK? 0h
SIDE FLATNESS OK? 0h

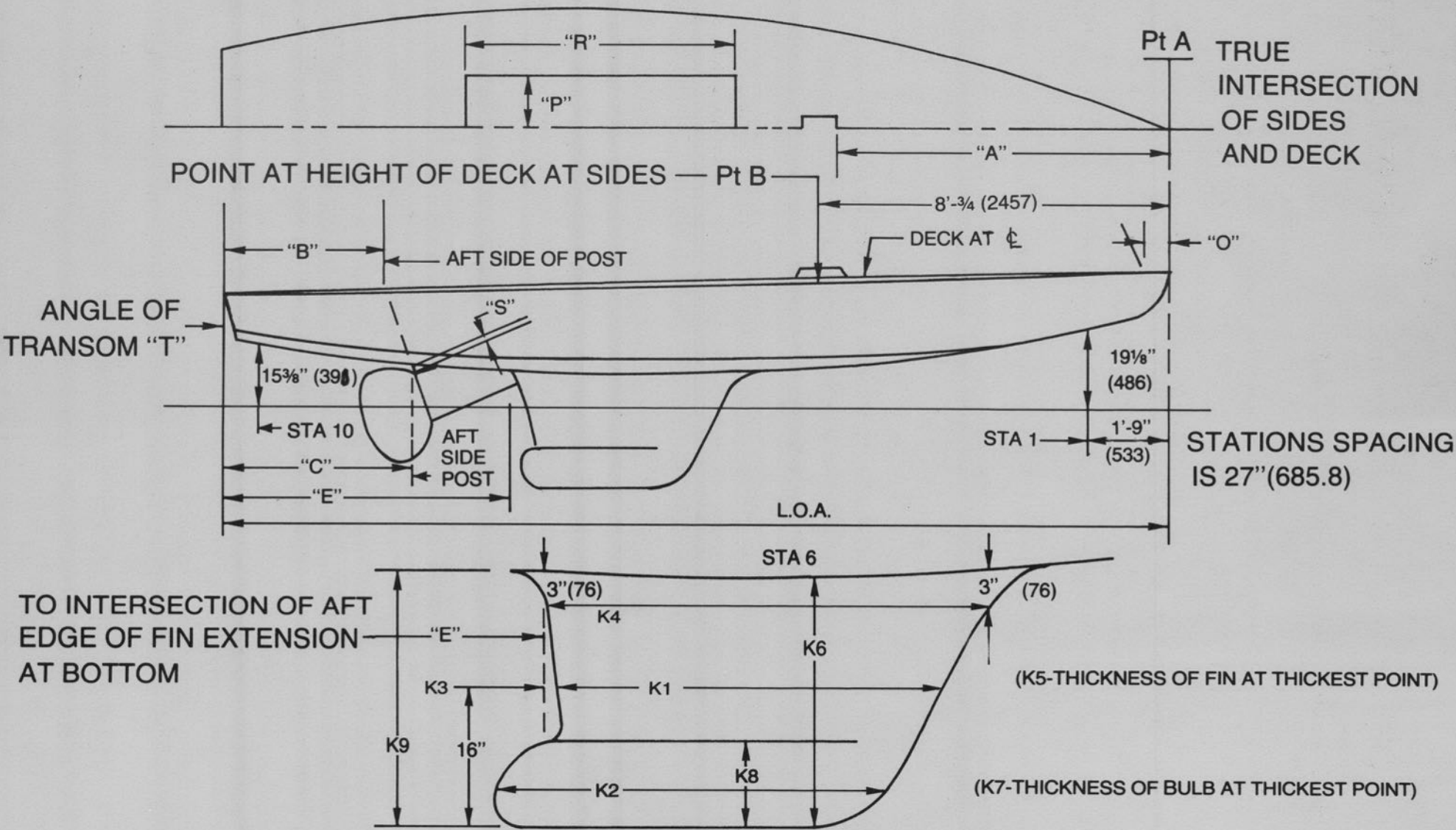
9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND _____
9677 9652 wr
Pt B TO JIB STAY 6930
BOOM LNG 4444
MAST TIP WT. 7.5
DIMENSION "O" 250
YACHT WEIGHT 672
ADDED WEIGHT _____
TOTAL WEIGHT 672

COPY



*IS ISCYRA WEIGHT CERTIFICATE ATTACHED? Yes



I.S.C. ★ Y.R.A.

Buoyancy Test Certificate

For Owner of Yacht No. 6246Owner's Name Phil WonenDate Yacht Acquired 3/78Former Owner

1. Each owner must obtain a Buoyancy Test Certificate upon acquiring a new or used yacht by conducting a Buoyancy Test. Prior owner's Certificate is not transferable.
2. Test must be conducted by owner or his representative and shall be witnessed by a Fleet or Class Officer, or Certified Star Measurer.
3. Yacht with rig and all normal racing equipment except sails shall be swamped on a hoist. Boat shall remain afloat, with slack hoist and mooring lines, for 10 minutes.
4. Complete Certificate in duplicate. Witness sends one copy to I.S.C.Y.R.A., owner shall retain other copy.
5. Describe additional flotation equipment, other than hull structure.
(Mention type, size, location, etc.)

BULKHEADS

6. I conducted a test for this yacht in accordance with the above instructions.

Phil Wonen

Owner's Name

[Signature]

Owner's Signature

4/20/78

Date

I attended the above test and acknowledge that the yacht named floated for 10 minutes following the instructions above. I further certify that the yacht at the time of the test contained only the additional flotation equipment described in Paragraph 5 above.

Tom Blackmore - Capt

Witness' Name and Title

[Signature]

Witness' Signature

4/20/78

Date

YACHT NUMBER

6246

I.S.C.Y.R.A.



Buoyancy Test Certificate

THIS CERTIFICATE IS GRANTED FOR THIS YACHT
UNDER THE PROVISIONS OF
I.S.C.Y.R.A. SPECIFICATION 7. *FLOTATION*

INSTRUCTIONS:

1. Each Star Class Yacht shall comply with the provisions of Specification 7.
2. If Buoyancy Certification of this yacht includes testing, the test shall be conducted according to Specification 7.
3. Send a copy of completed Certificate by mail to I.S.C.Y.R.A., 1545 Waukegan Road, Glenview, IL 60025 USA; or by fax to +1 847 729 0718. Owner shall retain a copy.
4. If flotation provisions for this yacht include buoyancy other than that provided by the structure of the hull, describe these provisions:

COPY

I CERTIFY THAT THIS YACHT COMPLIES WITH I.S.C.Y.R.A. SPECIFICATION 7.

Robert N. Conrad
Builder or Owner
(Print or type name.)

[Signature]
Builder or Owner's Signature
(Sign name.)

5/8/02
Date
(Month / Day / Year)

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE

Copy 1: Owner
Copy 2: Central Office

(buoyancy test certificate REV-4/99)

RECEIVED MAY 31 2002

ENTERED MAY 31 2002

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Duplicate Issued
29 April 2002
by LCO

YACHT NUMBER 6246
Builder Sune Carlsson Båtvärv, Sweden Year Built 1978
Builder's Hull Number CSS Nr. 83 Construction Material GRP
Type and location of yacht number in hull cut into keelson
Yacht Name _____ Fleet _____
Owner Robert N. Conrad
Address 776 Collier Drive, San Leandro, CA 94577
Remarks _____

DECLARATIONS:

1. I certify that I have measured the items listed on this certificate for the above yacht and entered the data, the information is correct and the yacht complies with ISCYLE rules and the keel conforms to an approved builder's keel plan.

Print name Jan Bogefors
Signed Jan Bogefors Date 7 February 1978
(Certified Star Class Measurer)

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the ISCYLE and that the keel conforms to an approved keel plan and approved lay up schedule.

Print name Sune Carlsson
Signed Sune Carlsson Date 7 February 1978
(Builder)

3. **TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT**
I certify that I have measured the above yacht in any areas affected by the following changes:

_____ and find it to be in accordance with the current plans and specifications of the ISCYLE.

Print name _____
Signed _____ Date _____
(Certified Star Class Measurer)

4. **TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES**

I certify that no alterations have been made on this yacht that would affect the measurements or conformity with the plans and specifications.

Print name _____
Signed _____ Date _____
(Owner)

MEASUREMENTS:

HULL MEASUREMENTS:

A	2306
B	1187
C	1288
E	2130
O	250
P	298
R	1990
Transom Angle	15°
L.O.A.	6928
Height of Point "B"	--
Chine Radius	ok
Stem Radius	ok
Side Flatness	ok
Rudder Template	ok
Rudder Thickness	29
Rudder Post Diameter	25
Skeg Depth	428
Skeg Contour	3
Tiller Material	--

Last fully measured hull from this mold # --
on -- , 19 -- .

This is hull number -- since that measurement.

KEEL MEASUREMENTS:

K1	1150
K2	1235
K3	35
K4	1352
K5	25
K6	775
K7	215
K8	286
K9	815
K10	--
K11	--
K12	--
K13	--
K14	--

KEEL CERTIFICATION:

Keel weight 404 kg w/finish

I certify that the weight shown was taken on a scale that has been calibrated within the last year to an accuracy of .5% of reading, and that this keel conforms to the builders approved keel plan, dated --, 19 -- on file at ISCYRA.

Jan Bogefors

(Signature - Certified Star Class Measurer)

HEIGHTS ABOVE BASELINE:

Station	1	2	3	4	5	6	7	8	9	10
Keel	486	353	254	179	121	104	127	191	280	390
Chine	X	X	307	X	X	231	X	298	X	445
Side	812	X	786	X	X	749	X	719	X	690
Bottom Arc	X	X	ok	X	X	ok	X	ok	X	ok

HALF BREADTHS:

Station	1	3	6	8	Stern
Deck	203	610	860	790	500
Chine	90	404	674	628	406

BUOYANCY:

Contained in Hull Lay-up -
Airtight Compartments - 2 - 830
Other _____

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No.	<u>CBS Nr 83</u>
	Yacht No.	<u>6246</u>
B	Hull Less Skeg	<u>196</u>
	Hull with Skeg	<u>200</u>
C	Keel Less Finish	<u>400</u>
	Keel with Finish	<u>404</u>

I certify that the hull and keel weights shown were measured on a balance scale, or spring scale, or an electric load cell, (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder must fill in at least one item in each of A, B, and C, and sign

Date 12 Jan 1978 Signed [Signature]

D	Yacht Weight with Rig	<u>672</u>
	Added Weight	<u> </u>
	(Describe type and location)	<u> </u>

I certify that the yacht weight shown is measured on a balance scale, or spring scale, or an electric load cell (Underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder, Outfitter or Owner must sign

Date 7 Feb 1978 Signed [Signature]

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No.	<u>23</u>
	Yacht No.	<u>6245</u>
B	Hull Less Skeg	<u> </u>
	Hull with Skeg	<u>210 408 kg</u>
C	Keel Less Finish	<u>403 kg</u>
	Keel with Finish	<u>408 kg</u>

I certify that the hull and keel weights shown were measured on a balance scale, or spring scale, or an electric load cell, (underline one) which has been calibrated with in the last year to $\frac{1}{2}$ of 1%. Builder must fill in at least one item in each of A, B, and C, and sign

Date 18.04.78 Signed Josef Steinmayer
Josef STEINMAYER, CH-8706 MEILEN/ZH

D	Yacht Weight with Rig	<u>675 kg</u>
	Added Weight (Describe type and location)	<u> </u>

I certify that the yacht weight shown is measured on a balance scale, or spring scale, or an electric load cell (Underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder, Outfitter or Owner must sign

Date 18.04.78 Signed Josef Steinmayer
Josef STEINMAYER, CH-8706 MEILEN/ZH