

Index No. 22  
(For London Office only.)

Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR  
WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey HELSINGBORG.  
Date of Survey 10/11 1930 - 8/3 1931 (6 visits)  
Name of Surveyor L. Miesau.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. "KALMAR SUND IX". 196095 Varus-2 Svefnings AB 53.	KALMAR SWEDISH.	Will be sent latter.	1154.16 <del>1164.48</del>	Not completed.	100A1. Strengthened for navigation in ice. Cruiser Stern. (contemplated.)

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	70.60 mtr. 231'-6"	10.68 mtr. 35'-0"	3.90 mtr. 12'-80	805.84 Tons.
Length on LOADLINE.	222'-0"	Frame Depth 6" Rule " 4" x 2 = .33 2"	Ceiling fitted Sheer + 66. Rising at main Op } 12'-98	Peak } mls. Tanks } Rising } + 9 at aft }
	Cargo battens 6"	2" fitted.		
RECTED ENSIONS.	222'-0"	34'-71" ✓	13'-64" ✓	814.84

Moulded Depth as measured.....  $14' - 11\frac{1}{2}"$

Addition for Keel below base line  
for draught record.....inches.

NOTE. — If the depth is measured when vessel is afloat, the details of measurement should be reported.

$$\begin{array}{r} 14' - 11\frac{1}{2}' \\ 8\frac{3}{4}' \\ \hline 15' - 8\frac{1}{4}' \\ 2' - 8\frac{1}{2}' \\ \hline 12' - 11\frac{3}{4}' \end{array}$$

### CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	222'-0"	
Length in Table .....	179.5	
Difference .....	42.5	
Correction for 10ft., Table A. ....	1.0	Table C. ✓
× Difference divided by 10 .....	4.25	(if required.)
If $\frac{6}{10}$ ths length covered divide by 2	2.12	+ 2" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{7}{10}$  the length covered ..... ✓  
Thickness of usual wood deck, less stringer ..... 3" -3" ✓

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	34' 9"	round of beam should be report- ed on the full breadth of vessel at the gunwale.
Round of Beam .....	8 3/4"	
Normal round.....	8 3/4"	
Difference .....	0 ÷ 2 = .....	
Proportion of Deck uncovered (Para. 19) .....		

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

ALLOWANCE FOR DECK ERECTIONS :—

Table C.....	0'-7"
for Length, if required (Para. 12, 13, and 14) .....	
by Table A. corrected for sheer, and for length, )	2'-0"
required (Para. 11, 12, 13, and 14) )	1'-5"
as below.....	55-902
	9-50

for R. Q. Dk. if engine and boiler openings not } ✓  
 and by bridge house (Para. 11) }  
 or Deck Erections ..... - 9½

	Length.	Length allowed.	Height.
	<del>26.75'</del>		
.....	.....	26.75	7'-1 7/8"
80 .....	52.5'	51.36	7'-0" -
.....	.....	.....	.....
.....	61.90'	61.90	4'-0" -
.....	.....	.....	.....
.....	16.74' ✓	16.74	7'- 3/8"
.....	<del>148.26</del> 157.75	156.75	= .706 ✓
.....	.....	.....	.....
bin	222'-0"	222	

ig percentage ( 55.90% ✓  
(12, 13, or 14)

RD	recommended	amidships from centre of Disc to top of Statutory I
N 1931	Fresh Water Line	above centre of Disc
	Indian Summer Line	" " "
	Winter Line	below " "
	Winter North Atlantic Line	" " "

Freeboard, Table A .....	29.87	2' - 6"
Correction for Sheer .....	-5.90	- 6"
	23.97	2' - 0"
Correction for Length .....	+2.12	+ 2"
	26.09	2' - 2"
Allowance for Deck Erections .....	-9.50	- 9 1/2"
	16.59	1' - 4 1/2"
Correction for Round of Beam.....		✓
Correction for fall in Sheer (if any).....		✓
Correction for Steel Deck (if required) .....		- 3"
		1' - 1 1/2"
Additions for non-compliance with provisions of {		✓
Para. 11 (d) and (e) ‡		✓
Other Corrections (if any) .....		
Winter Freeboard .....		1' - 1 1/2"
Summer Freeboard .. (1 1/2" 2")	1 3/4"	0' - 11 3/4"
Indian Summer Freeboard .....		0' - 10"
N. A. Winter Freeboard .....	3"	1' - 4 1/2"

Correction necessary because clearside amidships, measured  
in accordance with the Statute is not taken at the  
intersection of the ~~wooden~~ steel deck with side.

1 1/2"

Winter Freeboard from deck line .....	1' - 3"	✓
Summer " " " " .....	1' - 1 1/4"	✓
Indian Summer " " " " .....	0' - 11 1/2"	✓
N. A. Winter " " " " .....	1' - 6"	✓

Line, Wood (Steel) Deck :-	...	...	...	...	...	...	1-1"
...	...	...	...	...	...	...	3½
...	...	...	...	...	...	...	1½
...	...	...	...	...	...	...	2
...	...	...	...	...	...	...	5

13.

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James, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside or ceiling should be reported if possible.

In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

† The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

W1034-0083

RECEIVED 28 JAN 1931



Do all the Frames extend to the top height in the Poop? *Yes.* Raised Quarter Deck? *Yes.* Bridge House? *7' fwd, 4' aft.* Forecastle? *Yes.*  
 To what height do the Reverse Frames extend? *None. BA Frames.*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes.*  
 Give particulars of the means for closing the openings in Bulkhead *No openings.*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes.* Has the Bridge House an efficient Bulkhead at the fore end? *Yes.*  
 Give particulars of the means for closing the openings in Bulkhead *Covered by plates, secured by bolts, 6" apart passing through.*  
 What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40.*  
 Give scantlings and spacing of the Stiffeners *BA 7" x 3" .36. Spaced 22 1/2" apart.*  
 Are bracket plates fitted at each end of the Stiffeners? *DR. lugs.* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes, at fwd end forming winch see 9c*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes.*  
 How are the openings closed? *No openings.*  
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes. See plan.* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes.*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised and Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Yes.*  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes.*  
 Give thickness of plating; scantlings and spacing of Stiffeners *As per approved plans.*  
 What is the height of the exposed Casings? *7'.* Are suitable means provided for closing all openings in them in bad weather? *Yes.*  
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1901? Give particulars below: *Yes. See particulars below.*

Position and Size.	No. 1, 2: 29'-2" x 15'-0"	No. 3, 4: 24'-11" x 15'-0"	No. 5, 6: 24'-11" x 15'-0"	No. 7, 8: 24'-11" x 15'-0"	No. 9, 10: 24'-11" x 15'-0"
Item.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.					
Height above top of DECK	65"		52 1/2"		
Thickness { Sides.....	.50		.50		
{ Ends.....	.44		.40		
SHIFTING BEAMS OR WEB PLATES.					
Number .....	5		4		
Section and Scantlings .....	{Plate 18" - 14" x .34 4 angles 3 1/2" x .42}				
Material .....	steel.		steel.		
* FORE AND AFTERS.					
Number .....	No fore and afters				
Section and Scantlings .....					
Material .....					
HATCHES Thickness .....	2 1/2"		2 1/16"		
Remarks.....					

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

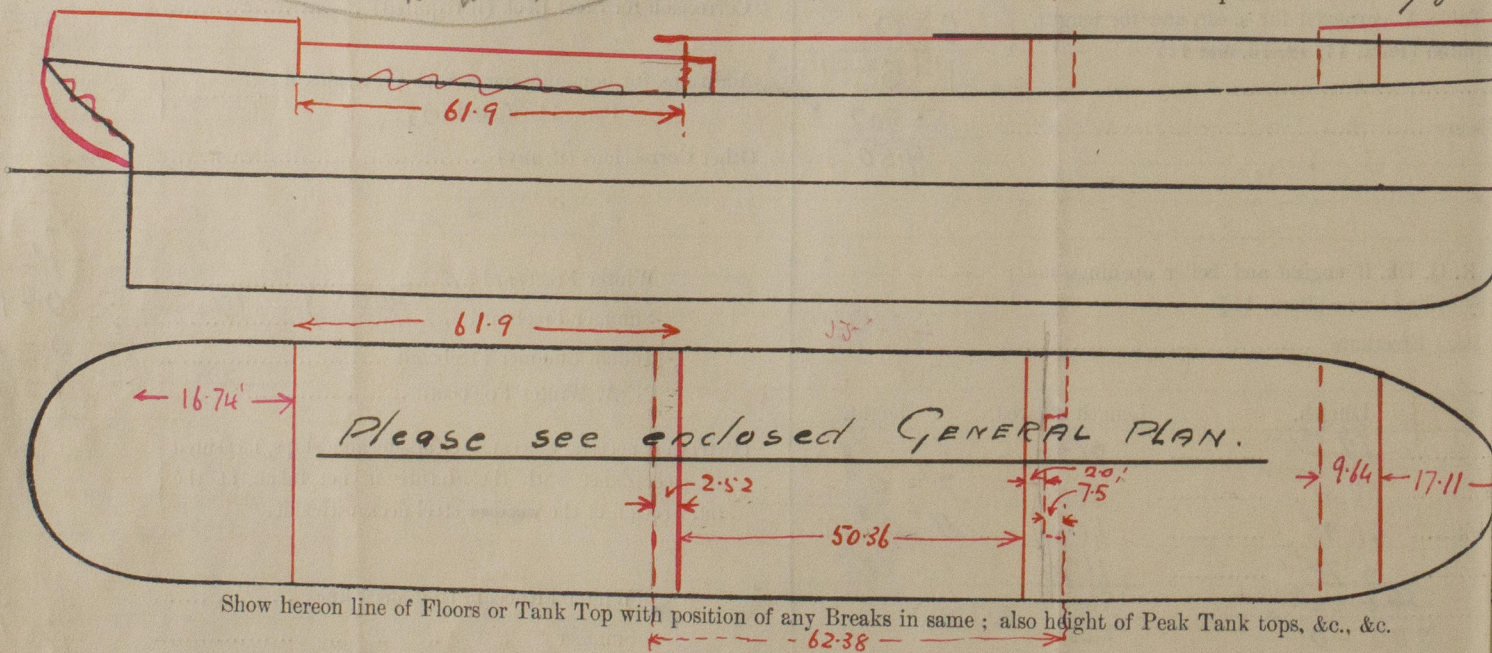
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck  
 What is the thickness of the Bridge Sheerstrake? *.43* Strake between Main and Bridge Sheerstrakes? *None.*

Delete the words { The Crew are, ~~not~~, berthed in the bridge house. Poop. }  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~not~~ satisfactory. }

Length of Bulwarks in well *Fwd = 56.37 Height 56".* *R.Q. Bk = 61.9' Height = 43 1/2" R.Q.W.*

Area of Freeing Ports required by Para. 11 (a) each side of vessel = *14.5 + 7 = 21.5 sq. ft.*  
*12.16*

Fwd well *51 7/8" x 28 1/4" x 3* Freeing Ports (each side of vessel) = *15.48 + 4.6 = 20.08 sq. ft.*  
*2.66* *1.73*  
*Not for R.Q.T.* Total deficiency or excess = *3.32* Sq. ft. *1.5 sq. ft.*



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *Strengthened for navigation in ice. Cruiser*

Builder's name and yard number *Helsingborgs Varvs- & Sverfvarings AB. No 53.*

Names of sister vessels *None.*

Owners *Ångbåts AB Kalmarsund (J.B. Jeansson)*

Address *Kalmar, Sweden.*

Fee *Kr. 91.00*

Received by me *✓*