

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 Southampton
Date of Survey 23 Nov. 1932
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
M/S. <u>SAGONA</u>	<u>Christiania</u> <u>Norwegian</u>		<u>7554</u> ✓	<u>1929/11</u>	<u>+ 100A1 Carrying Petroleum in Bulk.</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>451.8</u>	<u>59.2</u>	<u>34.1</u>	<u>7107</u>
Length on LOADLINE.	<u>450.0</u>	Frame Depth <u>10</u> No Ceiling <u>+ .20</u> Peak } Inc. Rule " <u>7</u> Sheer ✓ Tanks } Inc. <u>2x3" = .50</u> } No sheering <u>+ .33</u> } Eng. Sp. <u>+ .93</u>		
CORRECTED DIMENSIONS.	<u>450.0</u>	<u>59.03</u>	<u>34.30</u>	<u>7200</u>

Co-efficient of fineness..... .790 ✓
Any modification necessary }
[Para. 4 (a) to (e)]* } + .01
Co-efficient as corrected800 ✓

Sheer { Stem..... 109 } 163 ÷ 2 = 81.5 ...Mean 36.12
at { Sternpost ... 54 }
Sheer at $\frac{1}{2}$ of the length from { Stem 39 } 60 ÷ 2 = 30 ...Mean 54.54
Sternpost 21 } ÷ .55 = 54.54
Gradual mean Sheer 54.54
Standard mean Sheer [Table, Para. 18] 55.00 Correction
Difference..... .46 ÷ 4 = .12
§ If limited as Para. 18 (f) + .12

At front of bridge house.....
from amidships }
[Para. 18 (e)] { At after end of forecastle ✓
Fall in Sheer }
Para. 18 (d) } ÷ 2 =
Length uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 74.12 ✓
Correction for Length, if required (Para. 12, 13, and 14) + 3.24 ✓
77.36 ✓
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } 120.12 ✓
Difference 42.76 ✓
Percentage as below..... 26.092

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections 11.16 ✓

	Length.	Length allowed.	Height.
Forecastle..... <u>52.25</u> <u>53.55</u> Equip.....	<u>53.55</u>	<u>53.55</u> ✓	<u>7.6</u>
Bridge House..... <u>34.50</u>	<u>34.50</u>	<u>34.50</u>	<u>7.6</u>
Raised Qr. Dk..... <u>97.00</u>	<u>97.00</u>	<u>97.00</u>	<u>7.6</u>
Poop..... <u>4.00</u>	<u>2.00</u>	<u>2.00</u>	
Total <u>189.05 = 420.1</u>	<u>187.05 = 415.6</u>		
Length of Ship <u>450.0</u>	<u>450.0</u>		
Corresponding percentage } (Para. 11, 12, 13, or 14) } <u>26.092</u> 10 N.R.			

Moulded Depth as measured..... 34' - 1 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.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 450.0
Length in Table 409.5
Difference 40.5
Correction for 10ft., Table A. 1.7 Table C. .8
× Difference divided by 10 + 6.88 (if required.) + 3.24 ✓
If $\frac{1}{10}$ ths length covered divide by 2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered4156
Thickness of usual wood deck, less stringer 3 1/2 = - 1.45

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 59.0
Round of Beam 14.17"
Normal round..... 14.75
Difference58 ÷ 2 = .29
Proportion of Deck uncovered (Para. 19) + .17

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

Freeboard, Table A 113.12 ✓
Correction for Sheer + .12 ✓
113.24 ✓
Correction for Length + 6.88 ✓
120.12 ✓
Allowance for Deck Erections - 11.16 ✓
108.96 ✓
Correction for Round of Beam..... + .17 ✓
109.13 ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) - 1.45 ✓
107.68 ✓
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡ } ✓
Other Corrections (if any) ✓

Winter Freeboard 107.68 = 8 - 11 3/4 ✓
Summer Freeboard 6 1/2 - 6 1/4 8 - 5 1/2 ✓
Indian Summer Freeboard 7 - 11 1/4 ✓
N. A. Winter Freeboard

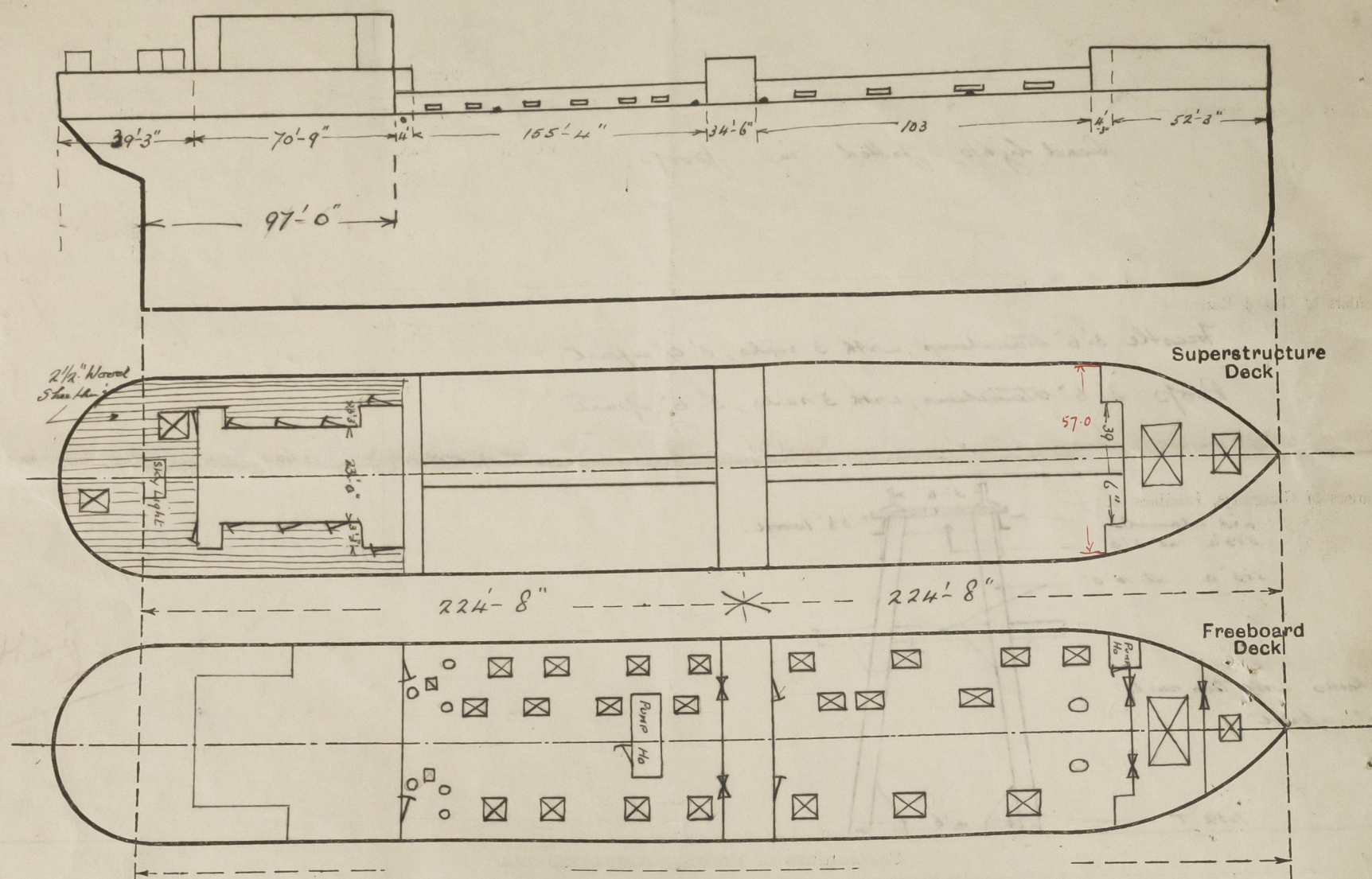
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.

Winter Freeboard from deck line
Summer " " " "
Indian Summer " " " "
N. A. Winter " " " "

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ... <u>13</u> ... = <u>330</u> ✓	Tropical Fresh Water Freeboard <u>7 - 4 1/2</u> = <u>2248</u> ✓
Fresh Water Line " " ... <u>6 1/2</u> ... = <u>165</u> ✓	Fresh Water " " <u>7 - 11</u> = <u>2413</u> ✓
Tropical Line " " ... <u>6 1/2</u> ... = <u>165</u> ✓	Tropical " " <u>7 - 11</u> = <u>2413</u> ✓
Winter Line below " " ... <u>6 1/2</u> ... = <u>165</u> ✓	Winter " " <u>9 - 0</u> = <u>2743</u> ✓
Winter North Atlantic Line " "	Winter North Atlantic " "

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



State any special features in the construction of the ship:—

Vessel surveyed afloat while discharging cargo. Sheer not measured.

Norske Veritas freeboards.

F. & T. 7'-11"

S & B.o.T. 8'-5 1/2"

V 9'-0"

Checked on Port side & found correct. On Starboard side the marks

were not painted in.

The assigning authority is the Norske Veritas. The certificate is numbered 03218 for the vessel under the name of "LION" dated 18th Oct. 1929.

Builder's name and yard number

Names of sister ships

Owners *A/S SAGONA (H.E. HANSEN-TANLEN)*

Fee £ *16* : *3* : Received by me

Ins. 8 2

Particulars of Scuppers and Sanitary Discharge Pipes —

Particulars of Side Scuttles:

Particulars of Guard Rails:—

Particulars of Gangways, Lifelines, etc.:—

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...						
Forward Well ...						

State position of each freeing port (F. and A. position and height above deck edge) } After Well:—
Forward Well:—

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

Additional area where sheer is less than standard.

Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...								
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...								
Bridge, Forward Bulkhead ...								
Forecastle Bulkhead ...								
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...								
Deckhouses on Flush Deck Ships ...								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	
Bridge, Forward Bulkhead ...	
Forecastle Bulkhead ...	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks ...	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
Deckhouses on Flush Deck Ships ...	

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