

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
Date of Survey 9. 3. 33
Name of Surveyor

Ship's Name. HERVAL	Port of Registry and Nationality. Brazilian	Official Number.	Gross Tonnage. 2478	Date of Build. 1920	Particulars of Classification. + 100 A1
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. 303.00	BREADTH. 43.00	DEPTH. 20.75	UNDER DECK TONNAGE. 2242.02
Length on LOADLINE.	302.62	Frame Depth 9 Rule " $\frac{5}{4}$	Ceiling + 20 Sheer + 88	Peak Tanks <i>Critical Stern</i> - 8
CORRECTED DIMENSIONS.	302.62	42.34	21.83	2234.02

Moulded Depth as measured..... **23'-0"**

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.

Co-efficient of fineness..... **.7987**

Any modification necessary [Para. 4 (a) to (e)]* } **C. D. B.**

Co-efficient as corrected **.78**

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	302.62
Length in Table	276.00
Difference	26.62
Correction for 10ft., Table A.	1.2
× Difference divided by 10	3.2
If $\frac{6}{10}$ ths length covered divide by 2	+ 3 $\frac{1}{4}$
	+ 1 $\frac{1}{2}$"

Sheer { Stem..... **73**
at { Sternpost ... **62** } $\frac{135}{2} = 67.5$... Mean

Sheer at $\frac{1}{8}$ of the length from { Stem **41.75**
Sternpost **37.50** } $\frac{79.25}{2} = 39.62$... Mean

Gradual mean Sheer **69.76**

Standard mean Sheer [Table, Para. 18] **40.26** Correction

Difference..... **29.5** ÷ 4 = **- 7 $\frac{1}{4}$ "**

§ If limited as Para. 18 (f)

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered **.48**

Thickness of usual wood deck, less stringer **3 $\frac{1}{2}$**

- 1 $\frac{3}{4}$ "

Rise in Sheer from amidships [Para. 18 (e)] { At front of bridge house..... ✓
At after end of forecastle ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	42'-9"
Round of Beam	10 $\frac{3}{4}$
Normal round.....	10 $\frac{3}{4}$
Difference	✓ ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19)	✓

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

Fall in Sheer { Para. 18 (d) } ÷ 2 =

Length uncovered ✓ Correction ✓

Freeboard, Table A	4'-10 $\frac{1}{2}$"
Correction for Sheer	- 7 $\frac{1}{4}$"
Correction for Length	+ 3 $\frac{1}{4}$"
Allowance for Deck Erections	- 8 $\frac{3}{4}$"
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	- 1 $\frac{3}{4}$"
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	3 - 8
Other Corrections (if any)	✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	2'-0 $\frac{1}{2}$"
Correction for Length, if required (Para. 12, 13, and 14)	+ 1 $\frac{1}{2}$"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }	4 - 6 $\frac{1}{2}$"
Difference	2 - 4 $\frac{1}{2}$"
Percentage as below.....	30.6%

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

Allowance for Deck Erections **- 8 $\frac{3}{4}$ "**

Winter Freeboard	3'-8"
Summer Freeboard	3'-4 $\frac{1}{2}$"
Indian Summer Freeboard	3'-1"
N. A. Winter Freeboard	3'-10"

	Length.	Length allowed.	Height.
Forecastle.....	31.96	31.96	7'-6"
Bridge House.....	81.25	80.62	"
† Raised Qr. Dk.....			
Poop.....	32.66	32.66	"
Total	145.24	145.24	= 48
Length of Ship	302.62		

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. **NIL**

Corresponding percentage (Para. N, 12, 10, or 11) } **30.6**

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: **1022 $\frac{1}{4}$ "**

Tropical Fresh Water Line above Centre of Disc	222 $\frac{1}{4}$"	Tropical Fresh Water Freeboard	800 $\frac{1}{4}$"
Fresh Water Line	133 $\frac{1}{4}$"	Fresh Water	889 $\frac{1}{4}$"
Tropical Line	89 $\frac{1}{4}$"	Tropical	933 $\frac{1}{4}$"
Winter Line below	89 $\frac{1}{4}$"	Winter	1111 $\frac{1}{4}$"
Winter North Atlantic Line	140 $\frac{1}{4}$"	Winter North Atlantic	1162 $\frac{1}{4}$"

10 MAR 1933

87.B.
9.3.33