

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

AUG 16 1937

HOKUZYU MARU *HOKUZYU MARU*
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 Dec 16th 1932

Name of Surveyor

Ship's Name. *UMLAZI* Port of Registry and Nationality. *London British* Official Number. *142724* Gross Tonnage. *4276* Date of Build. *1918/8* Particulars of Classification. *+100A1.*
Number in Register Book *Japanese*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	380.4	49.2	26.7	3923.84
Length on LOADLINE.	379.10 $\frac{1}{2}$	Frame Depth 15 Rule " $\frac{6}{9}$ 2x=1.5	Ceiling fitted Sheer + .56	Peak } Incl. Tanks } 11" framing -20 Tons
CORRECTED DIMENSIONS.	379.87	47.7	27.64	3903.84

Moulded Depth as measured..... 30'-1 $\frac{1}{2}$ "

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.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	379.87
Length in Table	361.5
Difference	18.37
Correction for 10ft., Table A.	1.5 Table C. .8
× Difference divided by 10	2.755 (if required.) 1.47
If $\frac{1}{10}$ ths length covered divide by 2	2 $\frac{3}{4}$ " 1 $\frac{1}{2}$ "

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	453
Thickness of usual wood deck, less stringer	3 $\frac{1}{2}$ -1 $\frac{1}{2}$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	47'-10"
Round of Beam	12"
Normal round.....	12"
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.

Co-efficient of fineness..... .78
Any modification necessary } C.D.B.
[Para. 4 (a) to (e)]* }
Co-efficient as corrected76

Sheer { Stem..... 7'-5 $\frac{3}{4}$ " 11-1 $\frac{1}{2}$ ÷ 2 = 66.75. Mean 36 $\frac{1}{2}$ 20.43
at { Sternpost .. 3'-7 $\frac{1}{4}$ " .56

Sheer at $\frac{1}{2}$ of the length from { Stem 4'-0 $\frac{3}{8}$ " 16-3 $\frac{1}{4}$ ÷ 2 = 37.625. Mean
Sternpost 2'-2 $\frac{3}{8}$ "

Gradual mean Sheer allowed 67.58
Standard mean Sheer [Table, Para. 18] 47.98 Correction
Difference..... 19.60 ÷ 4 = 4.90
§ If limited as Para. 18 (f) -5"

Rise in Sheer { At front of bridge house..... 0.
from amidships }
[Para. 18 (e)] { At after end of forecastle 4.7.

Fall in Sheer } ÷ 2 = none
Para. 18 (d) }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	4-5.
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	7-4 $\frac{1}{4}$
Percentage as below.....	2-9 $\frac{3}{4}$
	28.71%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections -9 $\frac{3}{4}$

	Length.	Length allowed.	Height.
Forecastle.....	40.5	40.5	8'
Bridge House	102.0	102.0	8'
† Raised Qr. Dk.....			
Poop.....	29.5	29.5	8'
Total	172.0	172.0	
Length of Ship		379.87	= .453.
Corresponding percentage (Para. 11, 12, 13, or 14) }	28.71%		

Freeboard, Table A	7-6 $\frac{1}{2}$.
Correction for Sheer	5.
Correction for Length	7-1 $\frac{1}{2}$
Allowance for Deck Erections	2 $\frac{3}{4}$
Correction for Round of Beam.....	7-4 $\frac{1}{4}$
Correction for fall in Sheer (if any).....	9 $\frac{3}{4}$
Correction for Steel Deck (if required)	6-6 $\frac{1}{2}$.
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	1 $\frac{1}{2}$
Other Corrections (if any)	6-5

Winter Freeboard 6-5.
Summer Freeboard 5-11 $\frac{3}{4}$
Indian Summer Freeboard
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 ...	11 $\frac{1}{2}$ '	Tropical Fresh Water Freeboard ...	5-11 $\frac{3}{4}$ '
Fresh Water Line " " ...	6'	Fresh Water " " ...	5-0 $\frac{1}{4}$ '
Tropical Line " " ...	5 $\frac{1}{2}$ '	Tropical " " ...	5-5 $\frac{3}{4}$ '
Winter Line below " " ...	5'	Winter " " ...	5-6 $\frac{1}{4}$ '
Winter North Atlantic Line " " ...	—	Winter North Atlantic " " ...	6-4 $\frac{3}{4}$ '