

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 Genoa
Date of Survey Sept. 1932
Name of Surveyor _____

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
NORDEN	<u>Bergen</u> <u>Norwegian</u>		<u>8440</u>	<u>1931-3</u>	<u>+100A1</u> Carrying Petroleum in Bulk.
Number in Register Book _____					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>465.2</u>	<u>59.7</u>	<u>35.4</u>	<u>7742.79</u>
Length on LOADLINE.	<u>461.64</u>	Frame Depth $9\frac{3}{4}$ Rule " $\frac{7}{234}$ $\times 2 = - .46$ No sheering + .33	No Ceiling + .20 Sheer + .07	Peak } Tanks } 2.9 aft + .77 2.9 forward + .15
CORRECTED DIMENSIONS.	<u>461.64</u>	<u>59.57</u>	<u>35.52</u>	<u>7834.79</u>

Co-efficient of fineness..... 82.799
Any modification necessary } Shallow bottom frames
[Para. 4 (a) to (e)]* }
Co-efficient as corrected 82

Sheer { Stem..... 75.75 } $114.13 \div 2 = 57.06$... Mean 58.53
at { Sternpost ... 38.38 } 56.16
36.27
Sheer at $\frac{1}{2}$ of the length from { Stem 44 } $64.38 \div 2 = 32.19$... Mean 58.53
Sternpost 20.38 } $\div .55 = 58.53$
Gradual mean Sheer 32.19
Standard mean Sheer [Table, Para. 18] 33.70 Correction
Difference..... 1.51 $\div 4 = .38$
§ If limited as Para. 18 (f) + .38

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

Fall in Sheer } $\div 2 =$
Para. 18 (d) }
Length uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 78.25 ✓
Correction for Length, if required (Para. 12, 13, and 14) + 3.57 ✓
81.82 ✓
Freeboard by Table A, corrected for ~~sheer~~ and for length, if required (Para. 12, 13, and 14) } 124.84 ✓
Difference 43.02 ✓
Percentage as below..... 20.57

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections - 8.85 ✓

	Length.	Length allowed.	Height.
Forecastle.....	<u>40.33/4</u>	<u>40.31</u>	<u>8-0</u>
Bridge House			
† Raised Qr. Dk.....			<u>8-0</u>
Poop.....	<u>108-1</u>	<u>108.08</u>	
Total		<u>148.39</u>	<u>.3214</u>
Length of Ship		<u>461.64</u>	
Corresponding percentage (Para. 11, 12, 13, or 14) } <u>20.57</u> ✓ N.R.			

Moulded Depth as measured..... 35-0
3
34.9
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..... 461.64 ✓
Length in Table 417.00 ✓
Difference 44.64 ✓
Correction for 10ft., Table A. 1.7 Table C. .8
 \times Difference divided by 10 + 7.59 (if required.) + 3.57 ✓
If $\frac{1}{10}$ ths length covered divide by 2

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer Allowed in reduced mld. depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 54.5 ✓
Round of Beam 14.17 ✓
Normal round..... 14.87 ✓
Difference 70 \div 2 = 35 ✓
Proportion of Deck uncovered (Para. 19)6786 ✓
+ .24

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

Freeboard, Table A 117.25 ✓
Correction for Sheer + .38 ✓
117.63 ✓
Correction for Length + 7.59 ✓
125.22 ✓
Allowance for Deck Erections - 8.85 ✓
116.37 ✓
Correction for Round of Beam..... + .24 ✓
116.61 ✓

Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) Allowed in mld. depth ✓
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † } ✓
Other Corrections (if any) ✓

Winter Freeboard 116.61 = 9-8 1/2 ✓
Summer Freeboard (6.7) = 6.32 110.29 = 9-2 1/4 ✓
Indian Summer Freeboard 103.97 = 8-8 ✓
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:—
12 1/2 .. = 317 ✓
6 1/2 .. = 165 ✓
6 .. = 152 ✓
6 1/2 .. = 165 ✓
Tropical Fresh Water Line above Centre of Disc
Fresh Water Line " "
Tropical Line " "
Winter Line below " "
Winter North Atlantic Line " "

9-2 1/2" = 2806 ✓
8-2 .. = 2489 ✓
8-8 .. = 2641 ✓
8-8 1/2 .. = 2654 ✓
9-9 .. = 2911 ✓
Tropical Fresh Water Freeboard
Fresh Water "
Tropical "
Winter "
Winter North Atlantic "