

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. NORDEN	Port of Registry and Nationality. <u>Bergen</u> <u>Norwegian</u>	Official Number.	Gross Tonnage. 8440	Date of Build. 1931.3	Particulars of Classification. + 100A1 Carrying Petroleum in Bulk.
Number in Register Book _____					

Registered dimensions from Ship's Register.	LENGTH. 465.2	BREADTH. 59.7	DEPTH. 35.4	UNDER DECK TONNAGE. 7742.79
Length on LOADLINE.	461.64	Frame Depth $9\frac{3}{4}$ Rule " $\frac{7}{234}$ $\times 2 = - .46$ No sheering + .33	Ceiling + .20 Sheer + .07	Peak Tanks } A.B. aft + 77 Deck floor forward + 15
CORRECTED DIMENSIONS.	461.64	59.57	35.53	7834.79

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 $\frac{2}{10}$ ths length covered divide by 2

Co-efficient of fineness..... ~~802~~ 799
Any modification necessary }
[Para. 4 (a) to (e)]* } Shallow bottom frames
Co-efficient-as corrected 82

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{2}{10}$ ths length covered
Thickness of usual wood deck, less stringer
Allowed in reduced mld. depth.

Sheer { Stem..... 75.75 }
at { Sternpost ... 38.38 } $114.13 \div 2 = 57.06$... Mean $\frac{58.53}{56.16}$
 $36 \frac{2.37}{.07}$

Sheer at $\frac{1}{2}$ of the length from { Stem 44 }
{ Sternpost 20.38 } $64.38 \div 2 = 32.19$... Mean $\frac{32.19}{20.38} = 58.53$

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

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) $\frac{67.86}{116.61} = .582$ + .24

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

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

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

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) ✓

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) } N.R. 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 ✓

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

	Length.	Length allowed.	Height.
Forecastle.....	40.3 3/4	40.31	8-0
Bridge House			
† Raised Qr. Dk.....			8-0
Poop.....	108-1	108.08	
Total		148.39	.3214
Length of Ship	461.64		
Corresponding percentage } (Para. 11, 12, 13, or 14) } <u>20.57</u> ✓ N.R.			

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 :—

Previously assigned by 16 NOV N.Y.

Tropical Fresh Water Line above Centre of Disc	12 1/2 = 317	Tropical Fresh Water Freeboard ...	9' 2 1/2" = 2806
Fresh Water Line	6 1/2 = 165	Fresh Water	8' 2" = 2489
Tropical Line	6 = 152	Tropical	8' 8" = 2641
Winter Line below	6 1/2 = 165	Winter	8' 8 1/2" = 2654
Winter North Atlantic Line		Winter North Atlantic	9' 9" = 2911

FW : .021 (34.75 - 9.21)
= .74 = 6 1/2