

# 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 *Harbour*  
Date of Survey *11 Nov. 1925*  
Name of Surveyor *Mr. H. H. H. H.*

*By the Board of Lloyd's Register of Shipping*

Ship's Name. *G. A. KNUDSEN* Port of Registry and Nationality. *Haugesund Norway* Official Number. *9026* Gross Tonnage. *1925* Date of Build. *1925* Particulars of Classification. *+ 100 A. Carrying Petroleum in Bulk*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	470	62.2	38.3	8268.61
Length on LOADLINE.	469.25	Frame Depth 10' 10" Rule $\frac{7}{16}$ 35	No. 120 Ceiling 1.20 Sheer 1.02	Peak Tanks 0.16
CORRECTED DIMENSIONS.	469.25	61.95	36.52	8336.61

Co-efficient of fineness..... *80.783*  
Any modification necessary [Para. 4 (a) to (e)]\* *80.79*  
Co-efficient as corrected.....

Sheer at Stem..... *127* at Sternpost..... *63*  $190 \div 2 = 95$  Mean *36.94*  
Sheer at  $\frac{1}{2}$  of the length from Stem..... *68* Sternpost..... *34*  $103 \div 2 = 51.5$  Mean *51.62*  
Gradual mean Sheer..... *93.86*  
Standard mean Sheer [Table, Para. 18]..... *56.92* Correction *34.7*  
Difference..... *36.94*  $\div 4 = 9.23$   
§ If limited as Para. 18 (f)..... *-9.14*

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

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

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *9.6 1/4 - 3.3*  
Correction for Length, if required (Para. 12, 13, and 14)..... *6.5 3/4*  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)..... *9.8 1/2*  
Difference..... *2.11 1/4*  
Percentage as below..... *22.12%*  
*= 7.8* *7.69*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)..... *-7.3*

Allowance for Deck Erections..... *-7.4*

	Length.	Length allowed.	Height.
Forecastle.....	40.0	40.0	7.5
Bridge House.....	32.5	32.5	7.5
† Raised Qr. Dk.....			
Poop.....	93.5	93.5	7.5
Total.....		166.0	35.375
Length of Ship.....	469.25		
Corresponding percentage (Para. 12, 13, and 14).....			22.12%

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, *Wood* (Steel) Deck:—

Fresh Water Line	above centre of Disc	...
Indian Summer Line	"	...
Winter Line	below	...
Winter North Atlantic Line	"	...

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
+ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops about amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

Moulded Depth as measured..... *34.9*  
*Rule wood deck less St.*  $34.9 - 3/2 = 34.5 1/2$   
Addition for Keel below base line for draught record..... *34* inches.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *469.25*  
Length in Table..... *417.413.5*  
Difference..... *51.837*  
Correction for 10ft., Table A..... *1.7* Table C.  
× Difference divided by 10..... *9.47* (if required.) *4.184.46*  
If  $\frac{1}{10}$ ths length covered divide by 2..... *+9.12* *+4.12*

### CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered..... *35.4*  
Thickness of usual wood deck, less stringer..... *3.2*  
*Allowed in reduced Mld. Depth. 1.24*

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *60.0*  
Round of Beam..... *15.2*  
Normal round..... *15*  
Difference..... *0.2*  $\div 2 = 0.1$   
Proportion of Deck uncovered (Para. 19)..... *0.46*

Freeboard, Table A..... *9.8 1/4*  
Correction for Sheer..... *-8.2 1/4*  
Correction for Length..... *+9.12*  
Allowance for Deck Erections..... *-7.3*  
Correction for Round of Beam..... *-0.1*  
Correction for fall in Sheer (if any).....  
Correction for Steel Deck (if required)..... *Allowed in reduced Mld. Depth. 1.24*  
Additions for non-compliance with provisions of Para. 11 (d) and (e)†  
Other Corrections (if any).....

Winter Freeboard..... *8.10 1/2*  
Summer Freeboard (6-7)..... *6 1/4*  
Indian Summer Freeboard..... *7.10*  
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..... *9.1 1/2*  
Summer " " "..... *8.7*  
Indian Summer " " "..... *8.0*  
N. A. Winter " " "..... *8.6*

Winter Freeboard from deck line..... *8.6*  
Summer " " "..... *6.1/2*  
Indian Summer " " "..... *6.1/2*  
N. A. Winter " " "..... *6.1/2*

† State dimensions of freeing port area on back of this form.

The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

Lloyd's Register of Shipping  
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