

Port of Survey _____
Date of Survey _____
Name of Surveyor _____

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
V. "SVEABORG"					100A1 "Carrying Petroleum in Bulk"
Number in Register Book					

Moulded dimensions 470 × 64.25 × 35.33

Moulded displacement at a moulded draught of 85 per cent. of moulded depth 20570

Coefficient of fineness for use with tables 794

DEPTH FOR FREEBOARD.

Moulded depth	...	35.33
Stringer plate	...	.06
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$...	
Depth D =	...	35.39

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$(D - \frac{L}{15}) \times R = (35.39 - 31.33) \times 3.0$	+ 12.18
(b) When D is less than $\frac{L}{15}$ (if allowed).	
$(\frac{L}{15} - D) \times R =$	
If restricted by height of superstructures	

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.	Actual	Stand and	S. m.	Actual	Stand
Poop enclosed	105.16	105.16	7.75	✓	105.16	54.00	57.00	1	54.00	57.00
" overhang						24.49	25.33	3	73.47	75.99
R.Q.D. enclosed						6.12	6.33	3	18.36	18.99
" overhang						-	-	1	-	-
Bridge enclosed	30.34	30.34	7.5	✓	30.34				145.83	151.98
" overhang aft										
" overhang forward										
F'cle enclosed	47.00	47.00	7.75	✓	47.00					
" overhang										
Trunks forward										
" aft										
Tonnage opening										

TOTAL =

Length of ship (L) =

% Covered ... =

Corresponding %, corrected for absence of forecastle if required } A =

Allowance ... =

B = 29.83

Correction for Bridge less than 2L if required }

Allowance ... = 42.00 × 29.83 = 12.53

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	54.00	57.00	54.00	1	54.00
2	24.49	25.33	24.49	4	97.96
3	6.12	6.33	6.12	2	12.24
4	-	-	-	4	26.66
5	13.33	12.67	13.33	2	21.32
6	53.32	50.67	53.32	4	120.00
F.P. 7	120.00	114.00	120.00	1	120.00

If excess sheer forward and deficient sheer aft:—

Actual sheer aft = defective

Standard sheer aft =

Actual sheer forward = excess

Standard sheer forward =

Length of enclosed superstructure L

Forward of amidships = } Tanker

Aft of amidships = }

Mean effective sheer ... = 29.12

Standard sheer .05L + 5 = 28.50

Difference (Df) ... = .62 excess

Allowance = Df × $(.75 - \frac{S}{2L}) = .62 (.75 - .194) = .34$

If limited on account of amidship superstructure ... = Tanker

If limited on account of excess sheer (1½ in. per 100 ft.) ... =

ROUND OF BEAM.

Standard	...	64.25 × 24	...	15.42
Ship	...	...	...	16.12
Difference	...	...	...	70
Restricted to	...	...	...	.612
Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = .175 (1 - .388) = .11$				

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient 794 + .68 = 1.36

Correction for Length ... 12.18

Superstructures ... 12.53

Sheer34

Round of beam11

Thickness of deck ...

Scantlings, etc. ...

Statutory deck line ...

Summer Freeboard = 86.12

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	"	...

1906 { S 8-5 3/4
W 9-0 1/4Diff { S - 15 3/4
W - 15"

W439-0246