

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 _____
Date of Survey 2-12-27
Name of Surveyor _____

Ship's Name <u>Northumberland S.B. Co's No's 405/406</u>	Port of Registry and Nationality <u>Ships</u>	Official Number <u>4900</u>	Gross Tonnage <u>4900</u>	Date of Build <u>Swi</u>	Particulars of Classification <u>100 A1 with freeboard (Contemplated)</u>
Number in Register Book _____					

Registered Dimensions from Ship's Register.	LENGTH. <u>420.0</u>	BREADTH. <u>56.41</u>	DEPTH. <u>25.73</u>	UNDER DECK TONNAGE. <u>4900</u>
Length on LOADLINE.	<u>420.0</u>	Frame Depth 12 Ru: <u>6</u> <u>x2 = -1.06</u> <u>spacing fitted</u>	No Ceiling + .20 Sheer + .37	Peak Tanks <u>2</u> incl. <u>Rise in R.B. aft + 8.6m</u>
CORRECTED DIMENSIONS.	<u>420.0</u>	<u>55.41</u>	<u>26.30</u>	<u>4908</u>

Moulded Depth as measured 28'-4 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.
28'-4 1/2"
1'-1 3/4"
29'-6 1/4"
3'-9 1/2"
25'-8 3/4"

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>420</u>
Length in Table	<u>340.5</u>
Difference	<u>79.5</u>
Correction for 10ft., Table A.	<u>1.475</u> Table C.
× Difference divided by 10	<u>11.1375</u> (if required.)
If 1/10ths length covered divide by 2	<u>5.5686</u> + <u>5 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	✓
Thickness of usual wood deck, less stringer	<u>3 1/2"</u>
	<u>- 3 1/2"</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>55.17'</u>
Round of Beam	<u>13 3/4"</u>
Normal round.....	<u>13 3/4"</u>
Difference	<u>-</u> ÷ 2 =
Proportion of Deck uncovered (Para. 19)	<u>-</u>

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

Freeboard, Table A	<u>6'-11 1/4"</u>
Correction for Sheer	<u>- 3 1/4"</u>
	<u>6'-8"</u>
Correction for Length	<u>+ 5 1/2 3/4"</u>
	<u>7'-1 1/2 3/4"</u>
Allowance for Deck Erections	<u>- 2'-8 1/2"</u>
	<u>4'-5 1/4"</u>
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Iron Deck (if required)	<u>- 3 1/2"</u>
	<u>4'-1 1/2 3/4"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

Winter Freeboard	<u>4'-1 1/2 3/4"</u>
Summer Freeboard	<u>3'-7 3/4"</u>
Indian Summer Freeboard	<u>3'-2 1/3 1/4"</u>
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. 1 3/4"

Winter Freeboard from deck line	<u>4'-3 1/4 1/2"</u>
Summer " " " "	<u>3'-9 1/2"</u>
Indian Summer " " " "	<u>3'-3 3/4 1/2"</u>
N.A. Winter " " " "	✓

Freeboard recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-	<u>3'-9 1/2"</u>	<u>3'-9 1/2"</u>
Fresh Water Line above centre of Disc	<u>6"</u>	<u>6"</u>
Indian Summer Line " " " "	<u>6"</u>	<u>5 1/2 6"</u>
Winter Line below " " " "	<u>6"</u>	<u>6"</u>
Winter North Atlantic Line " " " "	✓	✓

Efficient of fineness..... .802
 Any modification necessary [Para. 4 (a) to (e)]* } C.W.B.
 Efficient as corrected78

Sheer { Stem..... 96"
 { Sternpost ... 48" } 144 ÷ 2 = 72 ...Mean 36 13.45
.37
 Sheer at 1/5 of the length from { Stem 48"
 { Sternpost 24" } 72 ÷ 2 = 36 ...Mean 65.45
 Standard mean Sheer 65.45 ÷ 55 = 65.45
 Standard mean Sheer [Table, Para. 18] 52.00 Correction
 Difference..... 13.45 ÷ 4 = 3.362
 Limited as Para. 18 (f) - 3 1/4 ✓

Fall in Sheer { At front of bridge house..... ✓
 in amidships }
 Para. 18 (e) { At after end of forecastle ✓
 Fall in Sheer }
 Para. 18 (d) } ÷ 2 = ✓
 Deck uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>3'-9 1/2"</u>
Correction for Length, if required (Para. 12, 13, and 14)	✓
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>6'-8"</u>
Difference	<u>2'-10 1/2"</u>
Percentage as below.....	<u>93.98%</u>
	<u>32.42</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
 Allowance for Deck Erections 32 1/2"

Stem	Length. <u>384.67</u>	Length allowed. <u>384.50</u>	Height. <u>8.0</u>
House	<u>8.00</u>	-	-
.....	<u>27.33</u>	<u>27.00</u>	<u>8.0</u>
Total	<u>411.50</u>	<u>411.50</u>	<u>4.25 = 1/2 8 1/2</u>
Percentage of Ship	<u>415.75</u>	<u>420</u>	<u>= 98.98</u>
Percentage	<u>93.98%</u>		

Freeboard recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside plating should be reported if possible. In obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam. In vessels having poops and forecastles, it means the sheer measured at points distant 1/10th of the vessel's length from stem and stern-post.

† 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 water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.