

*Preliminary 31160*

# EXT Verification Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD - STEAM SHIPS.

Index No. **31160**  
(For London Office only.)

Port of Survey Newcastle-on-Tyne  
Date of Survey 29<sup>th</sup> July 1924  
Name of Surveyor Alfred Munro

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.

Ship's Name <b>S/S "ALGOL"</b>	Port of Registry and Nationality. <u>Shoreham</u>	Official Number. <u>145637</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1924</u>	Particulars of Classification. <b>+100A1. (Class Contemplated)</b> <i>Revised Rules</i>
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Registered Dimensions from Register. LENGTH. <u>245.3</u> BREADTH. <u>37.0</u> DEPTH. <u>18.7</u> UNDER DECK TONNAGE. <u>1378.40</u>	Length on LOADLINE. <u>245.0</u> Frame Depth <u>8</u> Rule <u>5/3</u> <i>No skinning + .33</i>	CEILING <u>+ .20</u> SHEER <u>+ .80</u> <i>Level tank top</i>	Peak } <u>Incl.</u> Tanks }
RECTED DIMENSIONS. <u>245.0</u> <u>36.83</u> <u>19.71</u> <u>1378.40</u>			

Moulded Depth as measured 20'-4 1/2"  
*Wood deck less stringer* 3 1/2"  
20-1' *to base*

Addition for Keel below base line for draught record 138 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.....	<u>245.0</u>	
Length in Table .....	<u>241.0</u>	
Difference .....	<u>4.0</u>	
Correction for 10ft., Table A. ....	<u>1.2</u>	Table C. <u>.6</u>
× Difference divided by 10 .....	<u>.48</u>	(if required.) <u>.24</u>
If 1/10ths length covered divide by 2	<u>+ 1/2</u>	<u>+ 1/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	
Thickness of usual wood deck, less stringer .....	<i>Allowed in reduced Moulded depth</i>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>36-0"</u>	
Round of Beam .....	<u>13</u>	
Normal round.....	<u>9</u>	
Difference .....	<u>4</u>	<u>÷ 2 = 2</u>
Proportion of Deck uncovered (Para. 19) .....	<u>.703</u>	<u>1.403</u> <u>- 1/2"</u>

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

Efficient of fineness..... .7752  
Modification necessary [Para. 4 (a) to (e)]\* .02  
Efficient as corrected ..... .76

Mean Sheer { Stem 6-5 1/2 } 127.25 ÷ 2 = 63.625 Mean 36 34.50  
                  { Sternpost 4-1 3/4 } 35 30.81

Standard mean Sheer [Table, Para. 18] ..... 34.50 Correction 63.63  
Difference..... 29.127 ÷ 4 = 7.28  
Limited as Para. 18 (f) ..... - 7 1/4

Increase in Sheer { At front of bridge house..... ✓  
                          { At amidships.....  
                          { At after end of forecastle ..... ✓

Fall in Sheer { ✓ ÷ 2 =  
Para. 18 (d) {  
Length uncovered ..... Correction ✓

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>1-4 1/4</u>
Correction for Length, if required (Para. 12, 13, and 14) .....	<u>+ 1/4</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<u>3-3 1/2</u>
Reference .....	<u>1-11</u>
Percentage as below.....	<u>17.91</u> <u>18.87</u> <u>44.92</u> <u>4.32</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....	<u>4"</u> <u>- 4 1/4</u>
Allowance for Deck Erections .....	
Forecastle.....	Length. <u>21-10 1/2</u> Length allowed. <u>21-10 1/2</u> Height. <u>7-0</u>
Bridge House .....	<u>47-6</u> <u>51-0</u> <u>4-0</u>
Raised Qr. Dk.....	<u>✓</u> <u>47.5</u>
Op.....	<u>✓</u>
Total .....	<u>69.37</u> <u>72.84</u> <u>.283</u>
Length of Ship .....	<u>245</u>
Responding percentage (Para. 12, 13, and 14) .....	<u>18.87</u>

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

1924	Fresh Water Line	above centre of Disc	.....
	Indian Summer Line	" " "	.....
	Winter Line	below " "	.....
	Winter North Atlantic Line	" " "	.....

Freeboard, Table A .....	<u>3-10 1/4</u>
Correction for Sheer .....	<u>- 7 1/2</u>
Correction for Length .....	<u>+ 1/2</u>
Allowance for Deck Erections .....	<u>- 4 1/4</u>
Correction for Round of Beam.....	<u>2-11 1/2</u>
Correction for fall in Sheer (if any).....	<u>- 1 1/2</u>
Correction for Iron Deck (if required) <i>In Moulded depth.</i>	
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u>
Other Corrections (if any) .....	<u>✓</u>
Winter Freeboard .....	<u>2-9 1/2 10</u>
Summer Freeboard .....	<u>2-6 3/4 7 1/4</u>
Indian Summer Freeboard .....	<u>2-4 1/2</u>
N. A. Winter Freeboard .....	<u>2-11 1/2 3-0</u>
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood (Iron) deck with side.	<u>2"</u>

Winter Freeboard from deck line .....	<u>2-11 1/2 3-0</u>
Summer " " " " .....	<u>2-8 3/4 9 1/4</u>
Indian Summer " " " " .....	<u>2-6 1/2</u>
N. A. Winter " " " " .....	<u>3-1 1/2 2</u>
Stil	<u>2"</u> <u>9"</u> <u>2-8 1/2 9</u>
	<u>4 1/2</u> <u>4 1/2</u>
	<u>2 1/2</u> <u>3 2 1/2</u>
	<u>3</u> <u>2 1/2 3</u>
	<u>5</u> <u>4 1/2 5</u>

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to be reported should be reported if possible. In vessels obtaining an allowance for deck erections under Para. 11 where the sheer is measured 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.

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