

Manoeuvre 3400w
Ballast 3400w
BT COPY WATERS

VERIFICATION REPORT.

4 MAR 1932 Index No. 34123
 (For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

14584

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 MIDDLESBROUGH
 Date of Survey DURING CONSTRUCTION
 Name of Surveyor J. H. RICHMOND

Ship's Name. <u>S. BRITAM LUBE</u> No. in Register Book <u>55 S.B. C. 212</u>	Port of Registry and Nationality. <u>TORONTO</u> <u>DOM.</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1932</u>	Particulars of Classification. <u>T100 A1. "CARRYING PETROLEUM IN BULK FOR SERVICE ON THE GREAT LAKES."</u>
--	--	------------------------------	----------------------------	-------------------------------	--

Registered dimensions from Ship's Register. <u>250</u>	LENGTH. <u>250</u>	BREADTH. <u>43.2</u>	DEPTH. <u>17.9</u>	UNDER DECK TONNAGE. <u>1465.46</u>
Length on Deck. <u>250</u>	Frame Depth <u>10</u>	Rule <u>5</u>	Ceiling <u>+20</u>	Peak <u>14CL°</u>
Corrected Dimensions. <u>250</u>	<u>42.70</u>	<u>16.685</u>	<u>1425.96</u>	

Moulded Depth as measured..... 18'0"
 Addition for Keel below base line for draught record..... 1.34 inches.
 CORRECTION FOR LENGTH.
 Length of Ship on Loadline..... 250
 Length in Table 216
 Difference 34
 Correction for 10ft., Table A. 1.1 Table C. 5
 × Difference divided by 10 3.74 (if required.)
 If $\frac{1}{10}$ ths length covered divide by 2 1.87 + 2

NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.

Efficient of fineness..... .80
 Modification necessary }
 Para. 4 (a) to (e) * }
 Efficient as corrected80
 PERPENDICULARS ONLY (SEE SKETCH)
 Stem..... 48 ÷ 2 = ...Mean 36.19.6886
 Sternpost ... 24
 Mean Sheer 19.6886
 Standard mean Sheer [Table, Para. 18] 35.00 Correction 78
 Difference..... 15.32 ÷ 4 = 3.83
 Limited as Para. 18 (f) + 4.37/4

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered
 Thickness of usual wood deck, less stringer -3 1/2"
 CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships..... 43-0
 Round of Beam 11
 Normal round..... 10.75
 Difference25 ÷ 2 =125
 Proportion of Deck uncovered (Para. 19)284
.04

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

Fall in Sheer {
 At front of bridge house.....
 At after end of forecastle
 Length uncovered
 Correction

Freeboard, Table A 3-4 1/2
 Correction for Sheer + 4 3/4
3-8 1/4
 Correction for Length + 2
3-10 1/4
 Allowance for Deck Erections - 1-2 3/4
2-7 3/4
 Correction for Round of Beam.....
 Correction for fall in Sheer (if any).....
 Correction for Steel Deck (if required) - 3 1/2
2-4 1/2
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any)
 Winter Freeboard 2-4 1/2
 Summer Freeboard 2-2 1/4
 Indian Summer Freeboard 2-0 1-11 1/2
 N. A. Winter Freeboard 2-6 1/2

ALLOWANCE FOR DECK ERECTIONS :-
 Freeboard, Table C..... 1-0
 Correction for Length, if required (Para. 12, 13, and 14)
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) 3-8 1/4
 Difference 2-8 1/4
 Percentage as below..... 45.4
- 14.75.68
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
 Allowance for Deck Erections - 14 3/4

Forecastle.....	Length. <u>41</u>	Length allowed. <u>41.00</u>	Height. <u>7-6</u>
Bridge House.....	<u>EXPANSION TRUNK</u>	<u>60.785</u>	<u>7-6</u>
Raised Qr. Dk.....	<u>147 x 21.6</u>		
Poop.....	Length <u>62</u>	Length allowed <u>62.00</u>	Height <u>7-6</u>
Total		<u>163.785</u>	
Length of Ship		<u>250</u>	
Corresponding percentage (Para. 11, 12, 13, or 14)		<u>65.4</u>	

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 2-6 5/4
 Summer " " " " 2-3 1/2
 Indian Summer " " " " 2-1 3/4
 N. A. Winter " " " " 2-8 7/4

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 " " " "

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.

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 abaft 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.

b100-90210-74110

57.8. 5-3-32

Do all the Frames extend to the top height in the Poop? **YES** Raised Quarter Deck? Bridge House? Forecastle? **YES**
 To what height do the Reverse Frames extend? **BULB ANGLE FRAMES**
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? **YES**
 Give particulars of the means for closing the openings in Bulkhead **INTACT**
 Is the Poop or Raised Quarter Deck connected with the Bridge House? **NO** Has the Bridge House an efficient Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead
 What is the thickness of the Bridge Front plating? and Coaming plate?
 Give scantlings and spacing of the Stiffeners
 Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?
 Has the Bridge House an efficient Iron Bulkhead at the after end?
 How are the openings closed?
 Is the Forecastle at least as high as the main or top-gallant rail? **YES 7-6** Has the Forecastle an efficient **STEEL** Iron or Wood Bulk'd. at after end? **YES**
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? **POOP, & CASING 2'-6" HIGH**
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed?
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? **2'-6"** Are suitable means provided for closing all openings in them in bad weather? **YES**
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of the Rules? Give particulars below:— **YES AS PER APPROVED PLANS**

Position.	Nº 1 HATCH ON FLEE DK.							
Size.	7-0 x 7-0							
COAMING	Height above top of DECK	2-7"	HATCHES TO OIL TANKS ALL 6'-0" x 4'-0" x 2'-6" ABOVE TOP OF TRUNK FITTED WITH OILTIGHT STEEL COVER STEEL COAMINGS .40 COVERS					
	Thickness	Sides..... Ends.....	.44 .44					
SHIFTING BEAMS OR WEB PLATES.	Number	ONE						
	Section and Scantlings	8 x 3 1/2 x .38		Tank A. 8 x 21.67 + 43 = 6.02				
	Material	BULB ANGLE STEEL		2 x 43				
* FORE AND AFTERS.	Number	✓		B. 139 x 21.67 = 70.04				
	Section and Scantlings	✓		43				
	Material	✓		76.06 x .8 = 60.85				
HATCHES Thickness	3"							
Remarks								

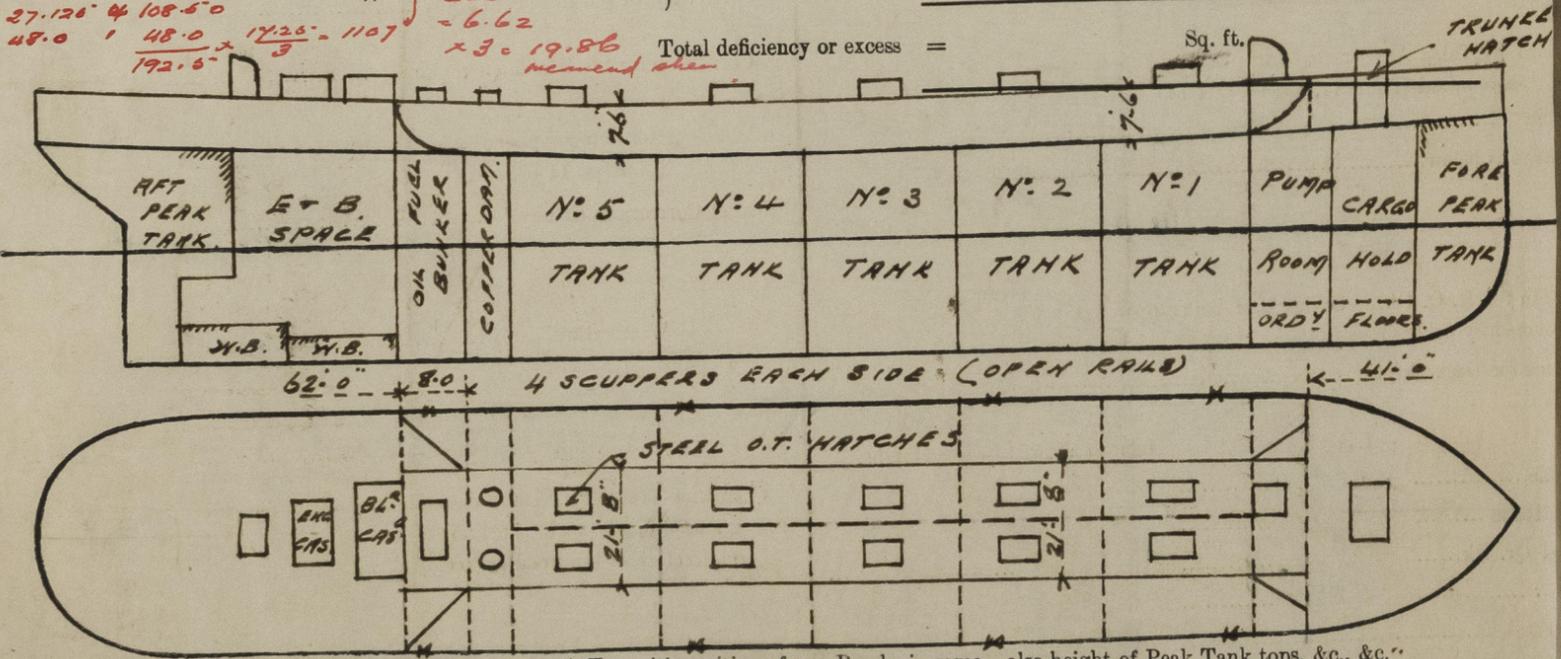
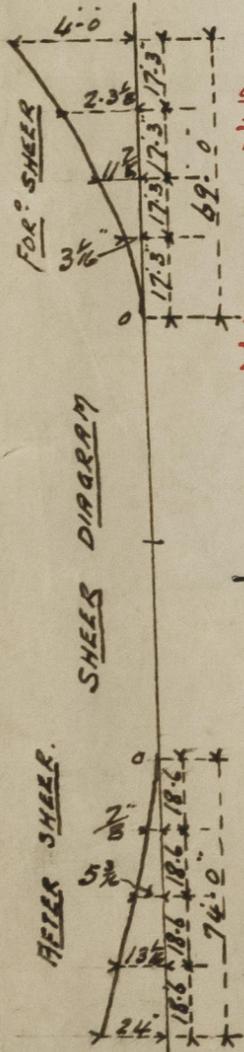
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of keel to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

Delete the words The Crew are, are not, berthed in the bridge house.
 that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
90.12	x 18.5	= 548			
16.55	x				} Total deficiency or excess = _____ Sq. ft.
250	x				
1107	x 3	= 19.86			



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.
 CONTEMPLATED TO BE CLASSED & 100 A1. CARRYING IN BULK FOR SERVICE ON THE GREAT LAKES. LONG FRAMING AT BOTTOM & AT DECKS BULB ANGLE FRAMES AT SIDES. MIDDLE LINE BULK: FURNESS S.B. C-5 Nº 212

State any special features in the construction of the Vessel **LONG FRAMING AT BOTTOM & AT DECKS BULB ANGLE FRAMES AT SIDES. MIDDLE LINE BULK: FURNESS S.B. C-5 Nº 212**
 M^o DISP. AT 85% M^o DEPTH 3790 TONS RN. TONS PER INCH AT SAME 22.04 TONS.
 Builder's name and yard number **FURNESS S.B. C-5 Nº 212**
 Names of sister vessels **S/S "BRITAMOLENE" FURNESS S.B. C-5 Nº 200.**
 Owners **BRITAM LUBE LTD**
 Address **MONTREAL P.Q.**
 Fee £ **6 : 0 : 0** Received by me