

STEEL STEAMER or MOTORSHIP.

Received at London Office 26 AUG 1936

State if Report has been sent on the Freeboard of the Vessel **YES**State if Report is sent on the Machinery of the Vessel **YES**

Date of completion of report

13-8-36

Port of

GLASGOW

No.

57355

Survey held at

GLASGOW

Date First Survey

8-6-36

Last Survey

13-8-1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

TRP. SC. 4 MST.

"CERAMIC"

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

INTERMEDIATE

NO TONNAGE OPENING

State Type of Erections

BRIDGE

TONNAGE under Tonnage Deck...

13006.58

CLASS

100A1

State if with freeboard as condition of Class

YES

Built at

BELFAST

Do. of space or spaces between Tonnage Dk. and Upper Dk.

3351.05

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 654

Launched

Yard No. 432

Total

16357.63

Breadth (greatest moulded)

B 69

Builders

HARLAND & WOLFF L^{rs}

Gross Tonnage

18712.65

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 47.83

Owners

SHAW SAVILL & ALBION C^o L^{rs}

Register Tonnage

11582.34

1st Longitudinal Number (L x D) =

31281

Managers

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) =

76407

Residence

REGISTERED DIMENSIONS. FEET.

Length

655.1

Framing Depth "d," at middle of length. See Sec. 3 (1d)

18.5

Port of Registry

SOUTHAMPTON

Breadth

69.4

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.7

If surveyed while building, afloat, & in dry dock

Depth

43.8

Draught Moulded

34.5

YES

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	30 1/2		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	30 1/2 28 26		" " Reversed Frame		
" " in peaks	24 1/2 25 1/2		" " Vertical Struts		
IDE FRAMING.			Centre Girder, depth and thickness amidships	54 1/4	
Frame Amidships, Angle, [or]	11 1/2 50 1/4 4 1/4 60		" " top Angles	DOUBLE 4 1/4 x 64	
" " Extends up to	BRIDGE DECK		" " bottom Angles	5 1/2 x 74	
Reversed Frame Amidships, Angle	3 1/2 x 3 1/2 x 52		Side Girders, No. each side and thickness	FOUR 50	
" " Extends up to	ORLOP DECK		Margin Plate depth (excl. of flange) and thickness	54 NO BILGE	
Depth of Framing Girder	11		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 x 3 1/2 x 52	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	8 1/2 1		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 x 3 1/2 x 52	
" " Second 'tween Decks, Angle, [or]	8 1/2 1		" " Gussets, spacing and scantling abaft 1/2 len. from stem	DOUBLE	
" " Third " " " "	8 1/2 1		" " Gussets, spacing and scantling forward 1/2 len. from stem	DOUBLE	
Framing in Peaks, Angle [or]	8 1/2 1		Tank Side Brackets, height above base line at toe of Frame and thickness	8 1/4 64	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1" COM. APART		INNER BOTTOM PLATING		
State if Frame Joggled	NO		Breadth and thickness of Middle Line Strake	66 64	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	STRONGERS AND DEEP FRAMES		Thickness of remainder in Holds	54	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	EXTRA GIRDERS AND DOUBLE FRAMES		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES	
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships		
Height of Brackets at side above base line at toe of frame			" " in Walls, Angle, [or]		
Middle Line Keelson, on Floors, Angles, [or]			" " in way of Bridge, Angle, [or]	8 x 42 1/2 x 3 1/2 x 52	
" " Through Plate or Intercoastal Plate			Spacing	EVERY FRAME	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, [or]	8 x 42 1/2 x 3 1/2 x 52	
" " Flat Plate Keel Angles			Spacing	EVERY FRAME	
Side Keelsons, No. each side			Third Deck, amidships, Angle, [or]	9 x 40 3/2 x 3 1/2 x 50	
" " thickness of Intercoastal Plate			Spacing	EVERY FRAME	
" " Angles			Fourth Deck, amidships, Angle, [or]	9 x 40 3/2 x 3 1/2 x 50	
DOUBLE BOTTOM.			Spacing	EVERY FRAME	
Solid Floors, thickness and spacing	EVERY FRAME 52		Peep Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	YES		Spacing		
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, [or]	8 x 46 1/4 x 4 1/2 x 56	
" " breadth and thickness at margin plate			Spacing	EVERY FRAME	
			Forecastle Deck, Angle, [or]	7 x 3 x 40	
			Spacing	3-9 1/4	

PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	THREE		
" in 'tween Decks, Size and Spacing.....	WIDELY		
" " " " ".....	SPACED		
" in Holds " " ".....	PILLARS		
" " " " ".....	+ GIRDERS		
Centre Line Bulkhead.			
Stiffeners and Spacing.....			
Plating, thickness of.....			
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells.....	67 90		
" " " " in way of Bridge.....	67 76		
" Angle in Wells.....	8 1/2 x 8 1/2 90		
Thickness of Plating abreast Deck openings in way of Wells.....	80		
Thickness of Plating abreast Deck openings in way of Bridge.....	56		
Thickness of Plating within line of openings.....	44		
If Sheathed, material and thickness.....	"ANCHORITE" 2"		
Second Deck.			
Stringer Plate, breadth and thickness in Wells.....	65 90		
Stringer Plate, breadth and thickness in way of Bridge.....	65 50		
Thickness of Plating abreast Deck openings in way of Wells.....	60-52		
Thickness of Plating abreast Deck openings in way of Bridge.....	40		
Thickness of Plating within line of openings.....	34		
If Sheathed, material and thickness.....	"ANCHORITE" 2"		
Third Deck.			
Stringer Plate, breadth and thickness.....	64 50		
Plated, same thickness.....	34		
Fourth Deck.			
Stringer Plate, breadth and thickness.....	64 50		
Plated, same thickness.....	34		
Fifth Deck.			
Stringer Plate, breadth and thickness.....	64 50		
Plating, Sheathing, material and thickness.....	80 6 x 3/4 PP		
Bridge Deck.			
Stringer Plate, breadth and thickness.....	69 100		
Plating, Sheathing, material and thickness.....	80 6 x 3/4 PP		
Boat Deck.			
Stringer Plate, breadth and thickness.....	36 40		
Plating, Sheathing, material and thickness.....	34-25 3PP		

SCANTLINGS.						RIVETING.						
AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED		EDGES. State if jogged			BUTTS.			
STRAKES.		AMIDSHIPS.		FORWARD.	AFT.	SINGLE OR DOUBLE.	RIVERS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
Breadth.	Thickness.	Thickness.	Thickness.	Inches.	Diam.	Spacing or to cr.	Inches.	Diam.		Spacing or to cr.	Inches.	
FLAT PLATE KEEL	56	1-10	.80	.80		DOUBLE	1 1/2	4 3/8	TREBLE	1 1/2	4	DOUBLE STRAPS
" Deck-if any	18 1/2	2 1/2 SLAB KEEL.										
BOTTOM PLATING, No. of Strakes FIVE.....		.92	.60	.60		DOUBLE	1 1/2	4 3/8	QUAD.	1 1/2	4 1/2	LAPPED
BIDGE PLATING, No. of Strakes TWO.....		1.00	.56	.56		TREBLE	"	"	"	"	"	"
SIDE PLATING, No. of Strakes SIX.....		.82	.56	.56		"	1	3 7/8	"	1	4	"
UPPER DECK, Sheer-strake in Walls.....	64	1.00	.60	.60		"	1 1/2	4 3/8	TREBLE	1 1/2	4 1/2	DOUBLE STRAPS
UPPER DECK, Sheer-strake in Bridge ...	64	82-1.00 AT ENDS + TO 3/4 L.				T. DOUBLE	"	"				
STRAKE BELOW Sheer-strake in Walls.....	76	1.00	.56	.56		B. TREBLE	1 1/2	3 7/8	QUAD	1	4	LAPPED
STRAKE BELOW Sheer-strake in Bridge ...	76	82-1.00 AT ENDS + TO 3/4 L				TREBLE	1 1/2	4 1/8	TREBLE	1 1/2	4 1/2	DOUBLE STRAP
Deck Side Plating						"	1	3 7/8	QUAD	1	4	LAPPED
BRIDGE SIDE PLATING ...	60	1.10										
Doubleing	24	1.00				QUAD.	1 1/2	4 3/8	TREBLE	1 1/2	4 1/2	DOUBLE STRAP.

FORGINGS and CASTINGS.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

ANCHORS.

GENERAL DECLARATION. *It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel* No.

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo **No** The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point. *initially, ambient*

The materials and workmanship are good.
The vessel has been surveyed afloat and in dry dock for classification (S.S. 200 N°3) and for Iceboard purposes.

The steel used in the vessel is in good condition, and the workmanship has been found to be good. The removal of rivets at various parts of the vessel indicated that the rivets and the counter-sinking of the holes are good.

The scantlings as shown on midship section and profile have been checked as far as practicable and thicknesses found to be well maintained.

The painting arrangements, the strengthening of the bottom forward and at the ends of the bridge also the supports in the double bottom, under the hold pillars have been examined and found satisfactory, there being no evidence of any weakness or straining.

The amount of ~~Library~~ Fee £ 20 : Fees applied for, 25-8-1936 (Special notations, where part of class, to be stated.)

HULL & MACY Special Survey Fee.... £ 150 : Received by me, I am of opinion the Vessel should be Classed 100A1 with F.P.D.
(SEE L.O. LETTERS 2-8-54) 5-19-54 1954 100A1 WITH F.P.D. CORRESPONDING TO A SUMMER MOULDED DRAUGHT OF 54'-6".
Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey No Signature W. J. Warner
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to GLASGOW Date of issue 9/9/76 CD

Committee's Minute **GLASGOW 25 AUG 1936**
Character assigned *See accompanying report.*

277	88-081
5101	54-044

Account	Debit	Credit	Total
1. Cash	100.00		100.00
2. Accounts Receivable	200.00		200.00
3. Inventory	300.00		300.00
4. Prepaid Insurance	400.00		400.00
5. Equipment	500.00		500.00
6. Accumulated Depreciation		100.00	100.00
7. Accounts Payable		200.00	200.00
8. Notes Payable		300.00	300.00
9. Long-Term Debt		400.00	400.00
10. Equity		500.00	500.00
Total	1,500.00	1,500.00	1,500.00

[illegible]

Lloyd's Re

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

all ballast tanks including double bottoms, peaks and tunnel side domestic tanks have been tested by water pressure and made tight
The watertight doors have been tried and found to be working satisfactorily.
Cement is fitted in the double bottom under boilers but not elsewhere in the ballast tanks.
The freeboard has been ceufed and the freeboard markings cut in on the vessels' sides.

PLANS

Midship Section
Profile

Stiffening of Hatch梁mings + Webs; N° 7 lower deck hatch

Scuppers and Discharges
Roofy Hatch to N° 3 Cooler Room } With freeboard report.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

(P)

D.F. DIRECTION FINDER

E.R. ECHO RECORDER

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 77.3-4 W.C. 6046. 29th OCT + 4th Nov. 1912.
2nd „ 77.3-26 W.C. 6045. 25th + 29th OCT. 1912.
3rd „ 78.1-14 W.C. 6044. „ „ „ „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge 371 ft., Forecastle ✓ ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks 4 STL D¹⁵ U.D. PP WOOD SHEATHED, WITH LOWER ORLOP DECK IN N° 1 + 2 HOLDS.

Official No. 135474 ; Signal Letters G L S T. Is bottom of vessel coated with cement PART if not give particulars of composition CEMENT WASH.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	180.83	775	Fore peak tank,	✓	267
Double bottom, under Engines and Boilers,	147.42	1012	After peak tank,	✓	83
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	248.50	1247	Other tanks, if fitted, SIDE OF TUNNELS P+S	25.4	58 EACH
TOTAL LENGTH D.B. 576.75'		3034	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No.

Date

Dates of Surveys held while building

1936 June: 8. 10. 12. 15. 16. 18. 23. 25. 26. 30 July: 3. 8. 10. 15. 22. 23. 24. 27. 28
29. 30. 31 Aug: 5. 6. 7. 10. 11. 13

Total No. of Visits 28