

Rpt. 1.

STEEL ~~STEAMER~~ OF MOTORSHIP

Received at London Office 21 MAR 1928

WRECK
SECTION

No

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

WRECK
SECTION

No 854

Date of completion of report

15TH MARCH 1928

Port of GLASGOW.

No. 47672

Survey held at

ARDROSSAN.

Date First Survey

16TH FEBRUARY 1927.

Last Survey

15TH MARCH.

1928.

On the

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

SINGLE SCREW MOTORSHIP

"DEIDO."

(MACHINERY AMIDSHIPS).

State Type

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

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING.

State Type of Erections

POOP + FORECASTLE

TONNAGE (under
Tonnage Deck...)

3132.36

CLASS + 100 A.1.

State if with freeboard
as condition of Class

YES.

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

130.07

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

L 355.0

Breadth (greatest moulded)

B 49.0

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

D 33.42

1st Longitudinal Number (L x D)

= 11598

2nd Numeral L x (B + D)

= 28993

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

12.92

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel
Do. Long Bridge to top
of keel

10.62

Draught Moulded

22' 4 3/4

Built at

ARDROSSAN.

Launched

28TH DEC. 1927

Yard No. 337

Builders

ARDROSSAN DOCKYARD LIMITED.

Owners

BRITISH & AFRICAN STEAM NAV. CO. LTD.

Managers

ELDER, DEMPSTER & CO. LTD.

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

Residence

LONDON.

Port of Registry

LONDON.

If surveyed while building, afloat, AND in dry dock

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		Bracket Floors, Frame	8 1/2 3 1/2 40	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	8 3 40	
" " in peaks	24		" " Vertical Struts	8 3 40	
IDE FRAMING.			Centre Girder, depth and thickness amidships	40 52	
Frame Amidships, Angle, E or F	8 1/2 3 1/2 40		" " top Angles	3 1/2 3 1/2 50	
" " Extends up to	THIRD DECK.		" " bottom Angles	4 4 56	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	1 38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	3 1/2 50	
Depth of Framing Girder	8 1/2		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 42	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 1/2 3 1/2 36	ON ALTERNATE FRAME	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	4 1/2 4 1/2 42	EVERY FRAME IN MOTOR ROOM NONE ELSEWHERE
" " Second 'tween Decks, Angle, E or F	6 1/2 3 1/2 36		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 3 PLATES EVERY FRAME	
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	6 3 1/2 42	
Framing in Peaks, Angle or F	7 3 34		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 5 1/2		INNER BOTTOM PLATING.		
State if Frame Joggled	YES		Breadth and thickness of Middle Line Strake	50 50	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAMING AND STRINGERS		Thickness of remainder in Holds	42 36	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	DOUBLE FRAMES EXTRA INTERCOSTAL CLOSE SPACED RIBS		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	
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	7 1/2 3 34	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, [or F			Spacing	30	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or F	8 3 45	
" " Foundation Plate on Floors			Spacing	30	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	8 3 45	
Side Keelsons, No. each side			Spacing	30	
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or F		
Solid Floors, thickness and spacing	38 60		Spacing		
" " Are Frame and Reversed Frame joggled?	YES		Bridge Deck, Angle, [or F		
Bracket Floors, breadth and thickness at middle line	36 38		Spacing		
" " breadth and thickness at margin plate	40 38		Forecastle Deck, Angle, E or F	7 3 38	
			Spacing	27	

PILLARS AND DECKS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....		2			Stringer Plate, breadth and thickness in way of Bridge				
„ in 'tween Decks, Size and Spacing.....	4 1/2	50	10	ABOUT 30 FEET	Thickness of Plating abreast Deck openings in way of Wells	34			
„ „ „ „ „ <i>all plans</i> 8 1/2 x 64				TUBE „ „	Thickness of Plating abreast Deck openings in way of Bridge				
„ in Holds „ „	14 1/2	60		„ „	Thickness of Plating within line of openings...	32			
„ „ „ „ „					If Sheathed, material and thickness				
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....					Stringer Plate, breadth and thickness.....	48	36		+ 02
Plating, thickness of					If Plated, state thickness.....	32			+ 02
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells	51	52			If Plated, state thickness				
„ „ „ „ in way of Bridge					Poop Deck.				
„ Angle in Wells	5	5	50		Stringer Plate, breadth and thickness	34	34		
Thickness of Plating abreast Deck openings in way of Wells	42			+ 02	Plating, Sheathing, material and thickness	30			
Thickness of Plating abreast Deck openings in way of Bridge					Bridge Deck.				
Thickness of Plating within line of openings...	34				Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness					Plating, Sheathing, material and thickness				
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	48	38		+ 03	Stringer Plate, breadth and thickness.....	34	34		
					Plating, Sheathing, material and thickness	28	2 1/2 P.P.N.E.		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <u>No</u>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	49	.70	.62	.62	+ .02 - .01.	DOUBLE	7/8	3 3/8	3	7/8	3/8	STRAPPED
" DBLG. (if any)												
BOTTOM PLATING, No. } of Strakes	83	.54	.54	.46		DOUBLE	7/8	3 3/8	3	7/8	3/8	LAPPED
BILGE PLATING, No. of } Strakes	74	.54	.46	.46		"	"	"	3	"	"	"
SIDE PLATING, No. of } Strakes	80	.54	.44	.44		"	"	"	3	"	"	"
UPPER DECK, Sheer- } strake in Wells.....	90	.64	.44	.44					4	"	3 1/2	"
UPPER DECK, Sheer- } strake in Bridge ...												
STRAKE BELOW Sheer- } strake in Wells.....	72	.54	.44	.44		DOUBLE	7/8	3 3/8	3	7/8	3/8	LAPPED
STRAKE BELOW Sheer- } strake in Bridge ...												
POOP SIDE PLATING38		SINGLE	3/4	3	2	3/4	2 5/8	LAPPED
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			.40			SINGLE	3/4	3	2	3/4	2 5/8	LAPPED

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
SHELTER							
Extending to Upper Deck (Sec. 3 c).....				1			
,, Deck next below.....				5			
As per Rule 1 TO SHELTER DECK, 5 TO DECK NEXT BELOW							
		STIFFENERS.					
		VERTICAL.	HORIZONTAL.				
Plating Thickness.		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks							
"	Second	28--26	4 x 3 x 38	30	NONE		
"	Third						
"	Holds	38--30	8.A. 7 1/2 x 3 x 46	30	NONE		
COLLISION							
"	(in Hold)	50--34	8.A. 9 x 3 1/2 x 65	24	2 SEMI-BOLTS BEAMS		
AFTER PEAK							
"	"	45--30	8.A. 7 x 3 x 52	24	NONE		
KEL, Bar							
STEM				ROLLED	9 x 2 3/8	KERR & SONS	
STERN FRAME {				Propeller Post	FORGING	10 x 7	"
				Rudder	FORGING	9 x 7	"
RUDDER—A x D					418		
Speed of Vessel					10 KNOTS		
RUDDER mainpiece at head				FORGING	9 1/2	KERR & SONS	
,, heel					7 1/4		
,, how constructed					BUILT		
,, double or single plate					SINGLE		
,, coupling, vertical or							
,, horizontal					HORIZONTAL.		

STEEL.

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

STEEL COMPANY OF SCOTLAND. D. COLVILLE & SONS. W² BEARDMORE & C²

OPEN HEARTH PROCESS

Has the Steel been tested as required by the Rules?

YES.

Lloyd's Register
Foundation

EQUIPMENT No. 30161												LETTER X	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
30347	1st Bower ...	56	1	0	✓			46	3	0	14	56½	BYERS IMPROVED Stockless	✓	SUND. 21-9-27 J.H.B.
30358	2nd „ ...	55	3	0	✓			45	16	3	14	56½	“	✓	SUND. 28-9-27 J.H.B.
30361	3rd „ ...	48	3	0	✓			41	11	3	14	47½	“	✓	SUND 29-9-27 J.H.B.
	Collective weight.	160	3	0								160			
6410	Stream	16	0	21	4	0	10	17	11	3	14	15	RODGERS	S. TAYLOR & SONS	GLAS. 31-5-27 L.H.

CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
3990	270	2½	81½	113¾	614-0-14	608¾			270	2½	STOP LINK	S. TAYLOR & SONS	GLASGOW 27-5-27 L.H.	TOWLINE	120	4½	39	120	4½
														HAWSERS & WARPS	3090	2½	12½	2090	2½
															2090	7		2090	7
Iron Stream Chain or Steel Wire	90	4½		39					90	4½									

Steering Gear, Steam **HASTIES ELEC-HYD.** Steering Gear, Hand **DONKINS**

Boats **2 @ 24 x 7.5 x 8.0** Steering Chains, Size and Test **NONE** Windlass **CLARKE, CHAPMAN, ELEC.**

Ceiling in Holds, thickness and material **2½" W.P. UNDER HATCHES ONLY** Cargo Battens, thickness, material and spacing **2" W.P. 9" EDGE TO EDGE**

Cargo Hatchways.-(Upper Deck) **STEEL COAMINGS.** Thickness of Hatches **3"**

Size of No. 1 Hatchway (Forward) **22'-6" x 17'-0"** No. 2 **27'-6" x 17'-0"** No. 3 **25'-0" x 17'-0"** No. 4 **25'-0" x 17'-0"** No. 5 **No. 6**

Number of Shifting Beams **and/or Fore and Afters** **3 IN EACH HATCHWAY.**

FOR ARDROSSAN DOCKYARD, LIMITED.

Builder's Signature *Ar Fletcher* GENERAL MANAGER

GENERAL DECLARATION THE WORKMANSHIP AND MATERIALS ARE GOOD

THE VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS, THE SECRETARY'S LETTERS OF VARIOUS DATES AND IN ACCORDANCE WITH THE RULES.

THE DOUBLE BOTTOM TANKS, PEAK TANKS AND SEMI-DEEP TANKS HAVE BEEN TESTED AS REQUIRED BY THE RULES

THE SEMI-DEEP TANKS ABOARD THE ENGINE SPACE HAVE BEEN CONSTRUCTED TO CARRY PALM OIL IN BULK.

THE WEATHER DECKS, W.T. BULKHEADS AND SHAFT TUNNEL HAVE BEEN HOSE TESTED WITH SATISFACTORY RESULTS.

THE FREEBOARD HAS BEEN VERIFIED AND CUT IN ON THE VESSEL'S SIDE.

THE APPROVED PLANS, AS DETAILED ON BACK OF REPORT, ARE FORWARDED HERewith.

SEE ALSO DAMAGE REPORT ATTACHED.

The amount of Entry Fee £ **7 : 0 : 0** Fees applied for, **17 MAR 1928**

Special Survey Fee... £ **268 : 18 : 0** Received by me, **16.5.28**

FREEBOARD £ **81 : 5 : 0**

Travelling Expenses, if any £ **6 : 0 : 0**

I am of opinion the Vessel should be Classed + 100A.1. "WITH FREEBOARD" "CARRYING VEGETABLE OIL IN DEEP TANKS."

State whether the Vessel has been built under Special Survey **YES.** Signature **H. Thomson.**

Certificate to be sent to **GLASGOW** Date of issue **18-17/5/28** Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 20 MAR 1928**

Character assigned **÷-100A1 With freeboard 328.**

Carrying Vegetable Oil in Deep Tanks.

Lloyds Assoc.

+ LMC 3,28.

21 MAR 1928

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.)

THE FOLLOWING PLANS AND REPORTS ARE FORWARDED HERewith: V.E. (20 PLANS)

PLAN AS BUILT. (5 REPORTS)

MIDSHIP SECTION

APPROVED PLANS.

✓ MIDSHIP SECTION.

✓ MULTIPLE MIDSHIP SECTION.

✓ PROFILE AND DECK PLANS

✓ PAINTING ARRGT. AND STRENGTHENING OF BOTTOM FORWARD.

✓ DOUBLE BOTTOM AND MAIN FRAMING IN WAY OF PALM OIL TANKS.

✓ SCARPHED FRAMES IN SHIP

✓ RIVETING OF MARGIN VERTICALS.

2 ✓ DETAILS OF TANK SIDE CONNECTIONS. (2 OFF).

✓ AMENDED ARRGT. OF TUNNEL RECESS.

✓ OVERHUNG BEAMS IN WAY OF MOTOR CASING.

✓ PILLARS AND GIRDERS.

✓ PILLARS AND GIRDERS IN WAY OF NO. 3 HATCH.

✓ RIVETING OF RIDER PLATES ON DECK GIRDERS

✓ HATCHWAYS

✓ PUMPING ARRANGEMENT

✓ CAST STEEL TILLER

✓ STERNFRAME AND RUDDER

✓ SCARPHS OF STERNFRAME

REPORTS.

RUDDER

STERNFRAME (2 OFF)

CROSSHEAD

TILLER

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

1st Bower	31-1-6	M.B.	4839	30-8-27
2nd "	30-2-24	M.B.	4838	30-8-27
3rd "	29-0-11	M.B.	4831	30-8-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.3 ft., ft., Bridge ft., Forecastle 41.3 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 DKS (37L) AND SHELTER DECK (37L)

Official No. 160340 Signal Letters

Is bottom of Vessel coated with cement PARTLY. if not give particulars of composition CEMENT FITTED IN NO. 1 D.B. TANK, FEED TANKS & COFFERDAMS. BILGES COATED WITH BITUMASTIC.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	112.5	290	Fore peak tank,	19	91
Double bottom, under Engines and Boilers,	15.0	53	After peak tank,	17	100
Double bottom, under Engines only,	156.8	497	Deep tank, aft,	57.5	620
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5778

Date 15-7-26

Dates of Surveys held while building

1927: 16/2, 9/3, 23/3, 28/3, 1/4, 11/4, 18/4, 19/4, 24/4, 29/4, 4/5, 9/5, 14/5, 15/5, 20/5, 27/5, 30/5, 1/6, 11/6, 16/6, 26/6, 3/6
1928: 22/2, 27/2, 4/3, 11/3, 15/3

Total No. of Visits 66

9a.

of

Glasgow

Continuation of Report No. 4767 dated 15th Mar. 1928 on the

motorship "DEIDO".

Damage stated to have been caused when shipping rudder on 17th Nov. 1928

When the rudder was being shipped one of the stemframe gudgeons was broken off. The rudder post has in consequence been renewed, the scaphs being arranged as shown on the enclosed plan approved in the London office on the 12th Dec. 1927.

A letter from the Owner agreeing to this arrangement is forwarded herewith.

Damage stated to have been caused by striking quay wall during Jan-Feb. 1928 when machinery was being shipped in Victoria Dock, Greenock.

Repairs effected

Starboard side. shell plates D4 + D5 renewed

- - - E5 joined in place.

3 frames joined in place.

No. 1 + 2 double bottom tanks tested in way of repairs.



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