

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office.

17 FEB 1933

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

16. 2. 33

Port of

GLASGOW.

No. 53267

Survey held at

BOWLING.

Date First Survey

22nd Oct. 1930

Last Survey

16th Feb. 1933

On the

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

STEEL SINGLE SCREW TUG

"EMILIA."

(MACHINERY AMIDSHIPS)

State Type

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

FULL SCANTLING FOR TUGS.

State Type of Erections

NONE

TONNAGE under Tonnage Deck

71.18

CLASS + 100A.1.

State if with Freeboard as condition of Class

No

Built at

BOWLING

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

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

L

78.0

Launched 30th JANUARY 1933 Yard No. 303

Breadth (greatest moulded)

B

18.0

Builders MESSRS SCOTT & SONS.

Total

71.18

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

D

8.5

Owners LORDS COMMISSIONERS OF THE ADMIRALTY.

Gross Tonnage

71.34

1st Longitudinal Number (L x D)

663

Managers

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

Register Tonnage

1.36

2nd Numeral L x (B + D)

2067

Residence

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

7.55

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

9.18

Port of Registry

length

78.0

breadth

18.1

Depth

7.7

Draught Moulded

8'-1 1/2"

If surveyed while building, afloat, ~~in dry dock~~ AND ON SLIPWAY

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	21		Bracket Floors, Frame		
" " from 3/4 length to Collision bulkhead	21		" " Reversed Frame		
" " in peaks	21		" " Vertical Struts		
IDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	3 2 1/2 38		" " top Angles		
" " Extends up to	DECK		" " bottom Angles		
Reversed Frame Amidships, Angle	2 1/4 2 1/4 25		Side Girders, No. each side and thickness		
" " Extends up to	ACROSS FLOORS		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	3		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween' Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem		
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem		
Framing in Peaks, Angle, E or F	3 2 1/2 38		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 TDIAS.		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	NONE		Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	NONE		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in B. & B. spaces and framing in Bunkers and Boiler Room?	YES	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	13 24		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 3 37	
Height of Brackets at side above base line at toe of frame	FLOORS LEVEL		" " in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, E or F	5 1/2 3 50		Spacing	42	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side	ONE		Spacing		
" " thickness of Intercoastal Plate	NONE		Fourth Deck, amidships, Angle, E or F		
" " Angles	SINGLE 5 3 36		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, E or F		
			Spacing		

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.....	ONE			Stringer Plate, breadth and thickness in way of Bridge			
„ in 'tween Decks, Size and Spacing.....				Thickness of Plating abreast Deck openings in way of Wells			
„ „ „ „ „				Thickness of Plating abreast Deck openings in way of Bridge			
„ in Holds „ „	2 1/4	4 1/2		Thickness of Plating within line of openings...			
„ „ „ „ „				If Sheathed, material and thickness			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....				Stringer Plate, breadth and thickness.....			
Plating, thickness of				If Plated, state thickness.....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	17	30	15 x 30	If Plated, state thickness			
„ „ „ „ in way of Bridge				Poop Deck.			
„ Angle in Wells	3	3	30	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	28	24		Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge				Bridge Deck.			
Thickness of Plating within line of openings	Tie Plates 24			Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness	2 3/8	TERK		Plating, Sheathing, material and thickness ...			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...				Stringer Plate, breadth and thickness.....			
				Plating, Sheathing, material and thickness ..			

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.				Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL		BAR KEEL										
CARBOARD												
„ BBG. (if any)	35	29	25	25		SINGLE	5/8	2 5/8	2	5/8	2 1/4	STRAPPED
BOTTOM PLATING, No. of Strakes	42	27	24	24		„	„	„	2	„	„	LAPPED
BILGE PLATING, No. of Strakes	44	27	24	24		„	„	„	2	„	„	„
SIDE PLATING, No. of Strakes												
UPPER DECK, Sheer-strake in Wells.....	43	30	24	24		„			2	5/8	2 1/4	STRAPPED
Upper Deck, Sheer-strake in Bridge ...												
STRAKE BELOW Sheer-strake in Wells.....	42	30	24	24		SINGLE	5/8	2 5/8	2	5/8	2 1/4	LAPPED
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FORECASTLE SIDE PLATING												

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				
Extending to Upper Deck (Sec. 3 c)		4		
„ Deck next below		NONE		
As per Rule		4		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds	36-26	4 x 3 x 30	30	NONE	
COLLISION „ (in Hold)	34-26	4 x 3 x 30	24	„	
AFTER PEAK „ „	34-30	4½ x 3 x 30	24	„	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	ROLLED	5 x 1 1/4		
STEM	„	5 x 1 1/4		
STERN FRAME { Propeller Post	FORGED	5 1/2 x 2 1/4	CLELAND	5 x 24
{ Rudder „	„	„	„	„
RUDDER—A x D.....		21.6		
Speed of Vessel.....		UNDER 10 KNOTS		
RUDDER mainpiece at head ...	FORGED	3	CLELAND	
„ „ heel ...		2 1/2		
„ how constructed		ARMS SHOWN ON		
„ double or single plate coupling, vertical or horizontal.....		SINGLE		
		NONE		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	
STEEL.	STEEL COMPANY OF SCOTLAND
	OPEN HEARTH PROCESS
Has the Steel been tested as required by the Rules?	YES

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; viz. (3 plans & 2 reports)
approved plans.
Midship section, profile & deck.
Stemframe and rudder.
Pumping plan. Will be forwarded later

Forging reports
Stemframe
Rudder.

It is requested that the approved plans be returned to this office for guidance in the building of the sister vessel (Scott & Sons No 304).

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2-2-0	M.R.	75	23-12-24
	2nd "	2-2-0	M.R.	474	23-12-24
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.O.D. ft., Rudder ft., Forecastle 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) 1 DK (TEAK)

Official No. : Signal Letters Is bottom of Vessel coated with cement YES if not give particulars of composition

PARTICULARS OF WATER BALLAST.—							
Where Fitted.		*Length.	Water Capacity.	Where Fitted.		*Length.	Water Capacity.
		Feet.	Tons.			Feet.	Tons.
Double bottom, aft,				Fore peak tank,			
Double bottom, under Engines and Boilers,				After peak tank,		6.5	7
Double bottom, if under Engines only,				Deep tank, aft,			
Double bottom, if under Boilers only,				Deep tank, forward,			
Double bottom, forward,				Other tanks, if fitted,			
		Total capacity of double bottom		(If necessary, furnish further information by sketch.)			
* The wells are not to be included in the lengths of the tanks.							

Order for Special Survey No. 5696

Date 28. 3. 25

Dates of Surveys held while building

1930 Oct.: 22. 28 Nov.: 3. 6. 10. 11. 18. 19. 21. 27. 28 Dec.: 1. 3. 4. 5. 10. 16. 17. 18. 24. 30 (1931) Jan. 8. 9. 15. 19. 21. 27 Feb.: 25 May: 15. 26. 28. 29 June: 4 Aug.: 12. 25 Dec.: 17 (1933) Jan 30 Feb: 13. 16

Lloyd's Register Foundation

Total No. of Visits 39