

STEEL STEAMER OR MOTORSHIP. (TUG)

Received at London Office

12 MAY 1948

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

Date of completion of report 26th April 1948.

Port of Hull.

No. 54859.

Survey held at Hessele.

Date First Survey 29th January 1947 Last Survey 23rd April 1948

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

Steel single screw Motor tug "CEMENCO"

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

Full Scantling

State Type of Erections None.

TONNAGE under Tonnage Deck ... 99.59

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

Total 99.59

Gross Tonnage 116.02

Register Tonnage nil

REGISTERED DIMENSIONS.

FEET

Length 77.2

Breadth 21.65

Depth 9.15

CLASS \pm 100 A.1.State if with freeboard ☒

FOR RIVER & HARBOUR TOWING SERVICES

condition of Class

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 77'0"

Breadth (greatest moulded) B 21'6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 11'4"

1st Longitudinal Number (L x D) 872.41

2nd Numeral L x (B + D) 2527.91

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel 6.79'

Do. Long Bridge to top of keel ☒Draught Moulded ☒

Built at Hessele.

Launched 16th September 1947 Yard No. S. 561.

Builders Henry Scan Ltd.

(Controlled by R. Dunston Ltd.)

Owners The Associated Portland Cement Manufacturers Ltd

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry London.

If surveyed while building, afloat, or in dry dock

During construction. ☒

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	15 <input checked="" type="checkbox"/>		Bracket Floors, Frame		
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	15 <input checked="" type="checkbox"/>		" " Reversed Frame		
" " in peaks	15 <input checked="" type="checkbox"/>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, \square or \sqsubset	6 3 $\frac{3}{8}$ <input checked="" type="checkbox"/>		" " top Angles		
" " Extends up to	UPPER DECK <input checked="" type="checkbox"/>		" " bottom Angles		
Reversed Frame Amidships, Angle \square or \sqsubset	3 2 3 $\frac{1}{2}$ 50 <input checked="" type="checkbox"/>		Side Girders, No. each side and thickness		
" " Extends up to	ACROSS FLOORS <input checked="" type="checkbox"/>		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	6" <input checked="" type="checkbox"/>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, \square or \sqsubset			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, \square or \sqsubset			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or \sqsubset	6 3 $\frac{3}{8}$ <input checked="" type="checkbox"/>		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/16" <input checked="" type="checkbox"/>		Breadth and thickness of Middle Line Strake		
State if Frame Joggled	no. <input checked="" type="checkbox"/>		Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	DO NOT APPLY		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?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	4 2 1/2 5/16 <input checked="" type="checkbox"/>	
Floors, Depth and thickness at mid-line in Holds	12" x 32" <input checked="" type="checkbox"/>		" " in way of Bridge, Angle, \square or \sqsubset	<input checked="" type="checkbox"/>	
Height of Brackets at side above base line at toe of frame	50-50 <input checked="" type="checkbox"/>		Spacing	15" <input checked="" type="checkbox"/>	
Middle Line Keelson, on Floors, Angles, \square or \sqsubset	6 3 35 <input checked="" type="checkbox"/>		Second Deck, amidships, Angle, \square or \sqsubset		
" " Through Plate or Inter-costal Plate	<input checked="" type="checkbox"/>		Spacing		
" " Foundation Plate on Floors	<input checked="" type="checkbox"/>		Third Deck, amidships, Angle, \square or \sqsubset		
" " Flat Plate Keel Angles	<input checked="" type="checkbox"/>		Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, \square or \sqsubset		
" " thickness of Inter-costal Plate			Spacing		
" " Angles			Poop Deck, Angle, \square or \sqsubset		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, \square or \sqsubset		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, \square or \sqsubset		
" " breadth and thickness at margin plate			Spacing		



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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		AS		Thickness of Plating abreast Deck openings in way of Wells			
" " " " "		APPROVED		Thickness of Plating abreast Deck openings in way of Bridge.....			
" in Holds " " " "		✓		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		70 x 35	✓	If Plated, state thickness.....			
" " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		3 1/2 3 1/2 36	✓	Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Wells		38	✓	Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge.....		✓		Bridge Deck.			
Thickness of Plating within line of openings...		32	✓	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		✓		Stringer Plate, breadth and thickness.....			
				Plating, Sheathing, material and thickness...			

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 3 ✓

„ Deck next below ✓

As per Rule 3 ✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	TRAWLER BULB	7 1/2" x 1 1/2" ✓		
STEM		7" x 2 1/2" ✓		6" x 2 1/2" ✓
STERN FRAME {	Propeller Post	6 x 3 ✓		
	Rudder "	✓		
Speed of Vessel		NOT EXC 12 KNOTS. ✓		
RUDDER—Type		SEMI-BALANCED TYPE. ✓		
" A x D		36-08 ✓		
" Diam. of head		5 1/4" ✓		
" Mainpiece at top pintle		" ✓		
" " heel		" ✓		
" how constructed		BUILT & WELDED. ✓		
" double or single plate		DOUBLE PLATE. ✓		
" coupling, vertical or		✓		
" horizontal				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
Second					
ON FORMER NO. 46	50			8x3 1/2 x 52 5/8	6x30 PLAT 3'0"
Holds					
" " (in Hold)	54	50		6x3 x 38 1/8	2'-10"
AFTER PEAK	8	35-30	5x3 1/4 PLAT 3x30 BAR	24"	

STEEL.

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

PLATES:- SOUTH DURHAM S. & I. CO. LTD. APPLEYBY-FRODINGHAM STEEL CO. LD.

SECTIONS:- COLVILLES LTD.

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.)

Approved plans are enclosed viz:-
Midships section. Profile & Deck. Deck plan. Framing. Stemframe & Rudder.
Shell expansion. Bulkheads. Casing plans (part 1 & 2). Engine seating.
Auxiliary seating. Bulwark details. Welded counter. Oil fuel tank.
Small tanks. Web frames in engine room. Upper stringer forward.
Center keelson. Steering gear leads. Alternative emergency steering gear.
Pumping & Ventilation.

Casting reports enclosed:-

Boss of Stemframe Leads Rpt. No. F.977.
Judgem boss & stops ports " " F 1022.

PARTICULARS OF ELECTRIC WELDING (if employed)

Bulkheads & connections. casing. counter. Bulwark. Oil fuel tank.

Approved electrodes employed on this work

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

✱ 100 A-1.

FOR RIVER & HARBOUR TOWING SERVICES.

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

1st Bower
2nd "
3rd "

2-3-2 incl. pins. A.E.G. 9716. 28.11.46.
2-3-5 " " A.E.G. 9678. 21.11.46.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 181907 Signal Letters ☒ Extreme Breadth over Belting ☒ Over-all Length 82.7 ft.
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK (STL) ☒

Parts of Bottom of Vessel coated with cement or approved composition Bottom coated with bitumastic solution & enamel.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		12.
Double bottom, under Engines and Boilers,			After peak tank,		19.
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 length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 5513

Date 24th May 1946.

Dates of Surveys
held while building

1947:— Jan. 29. Feb. 4. 17. 28. Mar. 6. 17. 26. 28. Apr. 1. 11. 16. 23. 29. May. 15. 20.
June 17. 27. July. 2. 15. 18. 22. 25. 31. Aug. 5. 8. 12. 15. 18. 19. Sept. 2. 4. 16. 19. 24. 26.
Oct. 1. 13. 21. Nov. 3. Dec. 4. 18. 19. 1948:— Jan. 8. Feb. 16. 18. 25. Mar. 30.
Apr. 12. 23.

Total No. of Visits 49.