

Rpt. 1
RECEIVED
- 8 NOV 1943
SECTION
IN D. NO. 10

(TUG)
STEEL STEAMER OR MOTORSHIP.

WRECK - 8 NOV 1943
SECTION
No. 52197

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 15th October 1943

Port of HULL

Survey held at Selly and Hull

Date First Survey 18th February 1943

Last Survey 9th October 1943

On the (State if Machinery fitted with or without Tonnage Openings)

Steel Single Screw Steam Tug "ASSIDUOUS" (J2533) Machinery fitted aft.

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

Full Scantling

State Type of Erections Forecastle

TONNAGE under Tonnage Deck ... 440.79

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

Total 440.79

Gross Tonnage 596.52

Register Tonnage 0.17

REGISTERED DIMENSIONS.

FEET

Length 146.75

Breadth 33.2

Depth 15.2

CLASS * 100 A-1.

"FOR TOWING SERVICES"

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

Breadth (greatest moulded)

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

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

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

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

Do. Long Bridge to top of keel

Draught Moulded

State if with freeboard as condition of Class No.

FEET

142'6"

33'0"

16'0"

2280

6982.5

✓

8.9'

✓

14'2"

Built at Selly

Launched 4th June 1943 Yard No. 1269

Builders Bochane & Sons Ltd

Owners The Admiralty

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

Residence London

Port of Registry Hull

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	22 ✓		Bracket Floors, Frame		
" " from 1/3 length amidships to Collision bulkhead	22 ✓		" " Reversed Frame		
" " in peaks	22 ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	5 1/2 3 .34 ✓		" " top Angles		
" IN BOILER ROOM	7 3 .40 ✓		" " bottom Angles		
Extends up to	UPPER DECK		Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle, E or F	3 3 .45 ✓		Margin Plate depth (excl. of flange) and thickness		
" " " " " " " " " " " "	3 1/2 3 .50 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Extends up to	ACROSS FLOORS		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
Depth of Framing Girder	5 1/2" ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, E or F			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " Third			INNER BOTTOM PLATING.		
" " from 1/3 len. for'd. to 15% len. from Stem			Breadth and thickness of Middle Line Strake		
" " in Peaks, Angle, E or F	7 3 .34 ✓		Thickness of remainder in Holds		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4" ✓		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 ✓	
State if Frame Joggled	160. ✓		BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED ✓		Uppermost Continuous Deck, amidships in	5 1/2 3 .32 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			" " " " " " " " " " " "	AND 6 3 .32 ✓	
SINGLE BOTTOM.			" " " " " " " " " " " "	21" & 22" ✓	
Floors, Depth and thickness at mid-line in	18" x .45 ✓		Second Deck, amidships, Angle, E or F		
" " " " " " " " " " " "	.50 ✓		Spacing		
" " " " " " " " " " " "	22" x .35 ✓		Third Deck, amidships, Angle, E or F		
" " " " " " " " " " " "	12" x 4" x 36" x 43" ✓		Spacing		
" " " " " " " " " " " "	✓		Fourth Deck, amidships, Angle, E or F		
" " " " " " " " " " " "	✓		Spacing		
" " " " " " " " " " " "	✓		Poop Deck, Angle, E or F		
Side Keelsons, No. each side	TWO ✓		Spacing		
" " thickness of Intercoastal Plate	✓		BOAT		
" " Angle IN BOILER ROOM ONLY	6 4 .56 ✓		Bridge Deck, Angle, E or F	4 3 .30 ✓	
DOUBLE BOTTOM.			Spacing	44" ✓	
Solid Floors, thickness and spacing			Forecastle Deck, Angle, E or F	7 3 .34 ✓	
" " " " " " " " " " " "			Spacing	22" & 44" ✓	
" " " " " " " " " " " "					

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	3" DIAM. AS APP ^d		Thickness of Plating abreast Deck openings in way of Wells		
" " " " " "	STEEL BULKHEADS		Thickness of Plating abreast Deck openings in way of Bridge		
" " " " " "	✓		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	30 1/2 x 36	27" x 36	If Plated, state thickness		
" " " " " " in way of Bridge	✓		Poop Deck.		
" " " " " " Angle in Wells	3 3 40	✓	Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells	30	✓	Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Boat Bridge Deck.		
Thickness of Plating within line of openings	30	✓	Stringer Plate, breadth and thickness	26	CELOTEX 3/4" THK.
If Sheathed, material and thickness	UNSHEATHED	✓	Plating, Sheathing, material and thickness	26	FITTED UNDER
Second Deck.	✓		Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	✓		Stringer Plate, breadth and thickness	26	DECK IN WAY OF
			Plating, Sheathing, material and thickness	26	ACCOMMODATION

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		State if joggled?	RIVETS.	No. of Rows of Rivets.	RIVETS.
GARBOARD	40	40	40	40		DOUBLE	3/4 6 PR. R.	THREE	3/4 2 5/8 STRAPPED
" Dblg. (if any)	✓	✓			SHELL AT FORE END	✓		✓	
Bottom Plating, No. of Strakes	71	36	36	36	D 12 - 625	DOUBLE	3/4 6 PR. R.	TWO	3/4 2 5/8 LAPPED
Bilge Plating, No. of Strakes	62	36	36	36	F. 9-10-11-12-13 - 625	"	" "	"	" " "
Side Plating, No. of Strakes	61	36	36	36	THESE PLATES HAVE BEEN	"	" "	"	" " "
Upper Deck, Sheer-strake in Wells	44	46	38	38	INCREASED IN THICKNESS	DOUBLE	3/4 6 PR. R.	THREE	3/4 2 5/8 STRAPPED
Upper Deck, Sheer-strake in Bridge	✓	✓			FOR ICE STRENGTHENING.	✓		✓	
Strake below Sheer-strake in Wells	53	38	38-625	38		DOUBLE	3/4 6 PR. R.	TWO	3/4 2 5/8 LAPPED
Strake below Sheer-strake in Bridge	✓					✓		✓	
Poop Side Plating	✓					✓		✓	
Bridge Side Plating	✓					✓		✓	
Forecastle Side Plating	44	31				DOUBLE	3/4 6 PR. R.	TWO	3/4 2 5/8 LAPPED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	48H for record
Extending to Upper Deck (Sec. 3 c)	6
" " Deck next below	✓
As per Rule	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT BAR	ROLLED	7" x 1 3/4"	✓
STEM	" "	"	7" x 1 3/4"	✓
STERN FRAME	Propeller Post	FORGING	7 7/8 x 3 3/4	T.S. FORSTER
	Rudder	"	7 7/8 x 3 3/4	& SONS LTD.
Speed of Vessel			12-13 KNOTS	✓
RUDDER—Type			SINGLE PLATE	✓
" A x D			226-33	✓
" Diam. of head			8"	✓
" Mainpiece at top pintle			8 7/8"	✓
" " heel			6"	✓
" how constructed			FORGED & BUILT.	✓
" double or single plate coupling, vertical or horizontal			SINGLE HORIZONTAL.	✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
O.T. MIDSHIP BULKHEAD, ON FRAME No 29	35-30	7 x 3 x 33	24"	12 x 38 PT.	✓
" " " " " " Upper 'tween decks	35-30	5 1/2 x 3 x 38	24"	5 1/2 x 3 x 35	✓
" " " " " " Second	38	7 x 3 x 33	24"	12 x 38 PT.	✓
" " " " " " Third	51	5 1/2 x 3 x 32	24"	5 1/2 x 3 x 35	✓
" " " " " " Holds	53	5 1/2 x 3 x 42-35	23-25"	12 x 38 PT.	✓
" " " " " " " "	53	5 1/2 x 3 x 40-35	24"	3 x 3 x 30	✓
" " " " " " " "	53	5 1/2 x 3 x 40-35	24"	STEEL FLAT.	✓
COLLISION " (in Hold)	72	7 x 3 x 30	24"	" "	✓
AFTER PEAK " " " "	6	4 x 3 x 40	24"	" "	✓
" " " " " " " "	5	5 x 3 x 30	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:—APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD. CONSETT IRON CO. LD.	
	SECTIONS:—SKINNINGGROVE IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD.	
	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 approved plans are being retained for reference in dealing with sister vessels under construction.

The following reports are enclosed herewith:—

Stem frame.

Sld. Rpt. No 9542

Rudder frame + rudder head

" " " 9634.

This vessel is a sister ship to H.M. Yag. "ANTIC"—Hull Rpt. No 52087.

An echo sounding device has been fitted.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. Plats forward + aft electrically welded at ship's sides.
Approved electrodes used.

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

+100 A.I.

"FOR TOWING SERVICES".

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

1st Bower

9-0-16 wch. pins.

A.E.G.

7558.

16-11-42.

2nd "

9-0-23 " "

A.E.G.

7647.

30-11-42.

3rd "

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. 169321.

Signal Letters ☒

Extreme Breadth over Belting 34-87 ft.
(Circ. 1611)

Over-all Length 156-7 ft.
(Circ. 1703)

No. and Material of Decks 1 DK (STL)

Parts of Bottom of Vessel coated with cement or approved composition Bitumastic clear of oil fuel tanks

Particulars of composition (if fitted) and of approval Approved by Admiralty.

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,	11-5	22
Double bottom, under Engines and Boilers,			After peak tank,	11-0	39
Double bottom, if under Engines only,			Deep tank, aft, WATER BALLAST TANK	7-33	20
Double bottom, if under Boilers only,			Deep tank, forward, FRESH WATER TANK	9-16	36
Double bottom, forward,			Other tanks, if fitted, FEED WATER TANK	3-60	18
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No 7558

Date 20th Oct. 1942.

Dates of Surveys held while building

1943:—Feb. 18-23-26 March 2-5-12-16 19-22-26-30 April 2-7-9-14-23-29 May 1-3-5-6-14-19.
May 21-24-27-31 June 2-9-22-28-30 July 9-13-16-23-29 Aug 11-13-17-19-21-25-28
Sept 3-6-8-16-20-22-23-27 Oct 1-7-9.

Total No. of Visits 55.