

STEEL STEAMER or MOTORSHIP

(TUG)

13 JUL 1942

Received at London Office

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

Date of completion of report 30th June 1942. Port of HULL. No. 51671.
 Survey held at HESSLE AND HULL Date First Survey 25th Feb 1942 Last Survey 22nd June 1942

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW TUG "EMPIRE SPRITE"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING. State Type of Erections FLUSH DECK.

TONNAGE under Tonnage Deck... 228.85 CLASS 100 A1 State if with freeboard as condition of Class No. Built at HESSLE.
 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 105.0 Launched 17th February 1942 Yard No. 5422.
 Total 228.85 Breadth (greatest moulded) B 26.5 Builders MESSRS. HENRY SCARR, LD.
 Gross Tonnage 242.33 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 13.5 Owners MINISTRY OF SHIPPING.
 Register Tonnage NIL 1st Longitudinal Number (L x D) = 1417 Managers ✓
 (Where necessary to be entered in Reg. Book.)
 Residence LONDON.
 Port of Registry HULL
 Is Surveyed while building, afloat, or in dry dock ✓
 BUILDING AND AFLOAT.

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 $\frac{3}{4}$ length amidships to Collision bulkhead	22" IN BOILER SPACE	✓	" " Reversed Frame	✓	
" " in peaks	21"	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30"-24" x 44"	✓
Frame Amidships, Angle <u>E or F</u>	5" x 3" x 30 BA	✓	" " top Angles	3 1/2" x 2 1/2" x 36	SINGLE.
" " Extends up to	5" x 3" x 36 BA IN BUNKERS AND BOILER ROOM.	✓	" " bottom Angles	3" x 3" x 42	SINGLE.
Reversed Frame Amidships, Angle	2 1/2" x 2 1/2" x 36	✓	Side Girders, No. each side and thickness	✓	
" " Extends up to	ACROSS FLOORS	✓	Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder	5"	✓	" " Vertical Angle to Tank side	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Bracket abaft 1/4 len. from stem	✓	
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side	✓	
" " Third " " " "			" " Bracket from forward 1/4 len. from stem to Panting Area	✓	
" " from 1/4 len. for'd. to 15% len. from Stem			" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " in Peaks, Angle or [5" x 3" x 30 BA	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8" - 4 1/2"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
State if Frame Joggled	No.	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	TUG.	✓	Breadth and thickness of Middle Line Strake	58" x 42"	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	TUG.	✓	Thickness of remainder in Hold	44"	✓
SINGLE BOTTOM.			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?	✓	
Floors, Depth and thickness at mid-line in Holds	17" x 30" x 40" IN B.R.	✓	BEAMS.		
" " Height of Brackets at side above base line at toe of frame	42" IN E.R.	✓	Uppermost Continuous Deck, amidships	5" x 3" x 32	✓
Middle Line Keelson, on Floors, Angles	3 1/2" x 3" x 40	✓	" " " " " " " "	4" x 2 1/2" x 30	HALF BEAMS.
" " Through Plate	3 1/2" x 3" x 30	✓	" " " " " " " "	21" AND 22"	
" " " " " " " "	42" IN B.OILER SPACE.	✓	Second Deck, amidships, Angle, [or]		
" " " " " " " "	30" UNDER FORE CABINS.	✓	Spacing		
" " " " " " " "	12" x 42" EACH SIDE OF CENTRE LINE.	✓	Third Deck, amidships, Angle, [or]		
" " " " " " " "	34" FOR'D.	✓	Spacing		
" " " " " " " "	3 1/2" x 3 1/2" x 46	✓	Fourth Deck, amidships, Angle, [or]		
" " " " " " " "	36" FWD OF "	✓	Spacing		
Side Keelsons, No. each side	ONE	✓	Poop Deck, Angle, [or]		
thickness of Intercoastal Plate	5" x 4" x 38	✓	Spacing		
" " Angles	5" x 4" x 48	✓	Bridge Deck, Angle, [or]		
DOUBLE BOTTOM. 25-36 RESERVE FEED TANK.			Spacing		
Solid Floors, thickness and spacing	36" 21"-22" SPACING.	✓	Forecastle Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	No.	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	✓				
" " breadth and thickness at margin plate	✓				

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
in 'tween Decks, Size and Spacing.....	2 3/4	14 1/2	2 3/4 DIA IN CONJUNCTION WITH FORE & AFT GIRDERS.				
" " " " " "			FITTED IN FORE & AFT ACC.				
in Holds							
Centre Line Bulkhead.							
Stiffeners and Spacing.....							
Plating, thickness of							
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells.....	57	30					
" " " " in way of Bridge.....							
" Angle in Wells.....	3	3	30				
Thickness of Plating abreast Deck openings.....	28	26					
Thickness of Plating abreast Deck openings in way of Bridge.....							
Thickness of Plating within line of openings.....	26						
If Sheathed, material and thickness.....							
Second Deck.							
Stringer Plate, breadth and thickness in Wells.....							
Stringer Plate, breadth and thickness in way of Bridge.....							
Thickness of Plating abreast Deck openings.....							
Thickness of Plating abreast Deck openings in way of Bridge.....							
Thickness of Plating within line of openings.....							
If Sheathed, material and thickness.....							
Third Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
Fourth Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
Poop Deck.							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness.....							
Bridge Deck.							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness.....							
Forecastle Deck.							
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.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.		Diam.	Spacing cr. to cr.	No. of Rows OF RIVETS.	STRAPPED OR LAPPED.
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		
FLAT PLATE KEEL OUT.	3 1/2	42	40	40		DOUBLE	3/8	OR FRW.	2	AT ENDS	3/4 2 5/8 1 1/4 = 9 3/4
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes.....	A 49	32	32	32		SINGLE	5/8	FRW.	TWO		LAPPED 6 1/4
BILGE PLATING, No. of Strakes.....	C 50	32	28	28							
SIDE PLATING, No. of Strakes.....	D 50 1/2	32	28	28							
UPPER DECK, Sheer-strake in Wells.....	E 51	34	30	30		SINGLE	5/8	5/8 OR FRW.	TWO		STRAPPED 8
UPPER DECK, Sheer-strake in Bridge.....											
STRAKE BELOW Sheer-strake in Wells.....											
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		✓			
As per Rule		3			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
,, Second ,,					
,, Third ,,					
,, Holds No. 4 & 5.		36"-27"	3 x 2 1/2 x 30 f	30"	ABOVE F.W. TANK.
COLLISION ,, (in Hold) No. 5.		36"-30"	6 x 3 x 3/4	24"	INSIDE F.W. TANK.
AFTER PEAK ,, No. 5.		30"	4 x 2 1/2 x 30 f 3 x 2 1/2 x 30 f	24"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar.....				FLAT PLATE KEEL.
STEM.....				FLAT BAR ROLLED 6 x 18
STERN FRAME { Propeller Post.....				MILD STEEL.
{ Rudder.....				3 1/2 x 2 1/2
Speed of Vessel.....				12 KNOTS.
RUDDER—Type.....				ORDINARY DOUBLE PLATE.
" A x D.....				48" x 203 = 93.6
" Diam. of head.....				MILD STEEL 5 1/2 DIA
" Mainpiece at top pintle.....				" " "
" " heel.....				" " "
" how constructed.....				FORGED FRAME & SIDE PLATES
" double or single plate.....				WELDED CONSTRUCTION ARMS TO MAIN-PIECE
" coupling,.....				30.
" horizontal.....				HORIZONTAL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		OPEN HEARTH PROCESS.
STEEL.	PLATES:—	APPLEBY-FRODINGHAM STEEL CO. L.
	SECTIONS:—	DORMAN LONG & CO. L. APPLEBY-FRODINGHAM STEEL CO. L.
	Has the Steel been tested as required by the Rules?	YES.

EQUIPMENT No.				LETTER				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
41289	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
41156	2nd "	6	2	14	Stockless	8	17	2	0	6 1/2	Impressed Stockless Not stated
	3rd "	6	0	0	"	8	5	0	0	6	" " " " " "
	Collective weight.	12	2	14						12 1/2	
	Stream										

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Ins.					Length.	Ins.		Fathoms.	Cir.
65314	40 1/2	1	18	27	33-0-14	46		90	1	Stud		C. Heath 30-5-42 S. C. Lau		TOWLINE	60	6"	✓	60	6"
65325	40 1/2	1	18	27	33-0-1					hook	Not stated	" " "		HAWSERS & WARPS	60	6"	✓	60	6"
1157016	30	1	18	27	16-1-27							Uthmaniyah 11-3-42 A. K. P.		"	60	4 1/2	✓	60	4 1/2
	150	Cir.								Cir.				"					
Iron Stream Chain or Steel Wire	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	"	✓	✓	✓	✓	✓

Steering Gear, Type (Power or hand) **HAND & STEAM STEERING GEAR BY DUNN & CO. LD.** Alternative Means of Steering **TILLER & BLOCKS AND TACKLES**

Steering Chains (Size and Test) **7/8" DIA TEST 9 1/2 TONS** Windlass **HORIZONTAL STEAM BY EMERSON-WALKER, LD.** Boats **2 WOOD LIFEBOATS UNDER WELSH DOCK - BOATS 17' x 6' x 8' 3/4"**

Ceiling in Holds, thickness and material **✓** Cargo Battens, thickness, material and spacing **✓**

Cargo Hatchways.-(Upper Deck) **2 COAL HATCHES ON CASING TOP.** Thickness of Hatches **STEEL HINGED COVERS.**

Size of Hatchways No. 1 (Fwd.) **✓** No. 2 **✓** No. 3 **✓** No. 4 **✓** No. 5 **✓** No. 6 **✓**

Number of Shifting Beams and/or Fore and Afters **NONE.**

Builder's Signature **PER HENRY SCARR LTD.**
H. Brown

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 (where required to be inserted in the Notation). **✓**

The vessel has been built in accordance with the approved plans and specification and in conformity with the Rules for the class contemplated. **✓**
 The materials and workmanship are good. **✓**
 The fore and aft peak tanks, the reserve feed tank and fresh water tank have been tested to Rule requirements and found satisfactory. **✓**
 Decks, casings, w.t. bulkheads, steering gear and windlass have been tested and found satisfactory. **✓**

The amount of Entry Fee £ **2 : 0 : 0** Fees applied for, **10001** (Special notations, where part of class, to be stated.)
 SUPERVISION OF SPECIFICATION **6 - 1 - 0** Received by me, **19**
 Special Survey Fee.... £ **24 : 4 : 0**
 Travelling Expenses, if any £ **2 : 8 : 11**

I am of opinion the Vessel should be Classed **"FOR TOWING SERVICE."**
"SEAGOING"

Signature **M. A. L. D.** AND **M. A. L. D.**
 Surveyor to Lloyd's Register of Shipping.

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

Certificate to be sent to **HULL.** Date of issue **12/5/42**

Committee's Minute **17 JUL 1942**
 Character assigned **+ 10001**
For Towing Services
Lloyd's Reg. Co.
+ 10001
30, 42
2021
Lloyd's Register Foundation

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. Copies of these are in the London office.

This vessel is a sister ship to the same Builder's No. 421, Hull Report No. "EMPIRE TEAK"

Copy of completion & interim certificates enclosed herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

Cabin flats fore and aft welded, Reserve feed tank top welded to shell. Fresh water tank top welded to shell. Sternframe and Rudder welded. All in accordance with approved plans.

Approved electrodes employed on this work.

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

100A1 "FOR TOWING SERVICES"

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

1st Bower

4-2-7 incl. pins.

J.D.

3716.

4-7-41.

2nd "

3-2-22 "

J.D.

3517.

4-3-41.

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.

Signal Letters ☒

Extreme Breadth over Belting (Circ. 1611) 26'-9 5/8"

Over-all Length (Circ. 1703) 113'-4 1/5"

No. and Material of Decks

1 DK (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition CEMENT IN FORE AND AFT PEAK TANKS AND FRESH WATER TANKS, ALSO UNDER BOILER AND IN WAY OF OPEN FLOORS ELSEWHERE.

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,	9'-0"	18.
Double bottom, under Engines and Boilers,			After peak tank, 8'-9" + 6'-6" COUNTER.	15'-3"	23.
Double bottom, if under Engines only,			Deep tank, aft, FRESH WATER TANK FOR'D.	3'-5"	6
Double bottom, if under Boilers only,			Deep tank, forward, RESERVE FEED TANK.	19'-58"	21
Double bottom, forward,			Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Order for Special Survey No. 3296

Date

23rd Sept 1941

Dates of Surveys held while building

1941: Feb. 25, March 28, April 2, 7, 9, 10, 12, 21, 23, 25, 30, May 5, 7, 12, 16, 20, 22, 28, Sept. 10, 11, 15, 19, 23, 25, 30, Oct. 3, 6, 9, 10, 14, 16, 20, 21, 23, 27, 29, 30, 31, Nov. 3, 6, 10, 12, 14, 21, 26, 28, Dec. 3, 6, 10, 12, 15, 17, 18, 23, 30, 31.
1942: Jan. 2, 6, 8, 12, 16, 17, 19, 20, 26, Feb. 2, 9, 12, 17, 19, 20, March 3, 10, 13, 17, 20, 27, April 7, 10, 14, 17, 23, 27, May 1, 6, 8, 11, 12, 15, 19, 22, 26, 29, June 3, 11, 12, 18, 19, 22.

Total No. of Visits 100