

WRECK SECTION  
No. 103801

# STEEL STEAMER or MOTORSHIP.

WRECK SECTION  
Received at London Office  
No. 103801

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 1 FEB 1934 Port of Riverpool No. 103801   
Survey held at Birkenhead Date First Survey 25th Sept /33 Last Survey 25th April 1934   
On the "TULIP" (Machinery aft, Single Screw.)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) ☒ State Type of Erections ☒   
TONNAGE under Tonnage Deck... 396.59 CLASS A.1. State if with freeboard ☒ Built at Sudbrook (Ire.)   
Do. of space or spaces between Tonnage Dk. and Upper Dk. ☒ Length from fore part of stem to after part of stern 160.2 Launched ☒ Yard No. 60   
Total 396.59 Breadth (greatest moulded) 26.875 Builders Exors of J. A. Walker.   
Gross Tonnage 408.87 Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck 11.2 Owners Gyngam, Bello & Co Ltd   
Register Tonnage 155.33 1st Longitudinal Number (L x D) = Managers " " " " " "   
2nd Numeral L x (B + D) = (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET.   
Length 160.0 Framing D "d." at middle of length. See (1d) ☒ Residence Riverpool   
Breadth 27.15 Proportions—Depth to Length—Uppermost continuous deck to top of keel ☒ Port of Registry Riverpool   
Depth 11.1 Draught Moulded 9' 5 1/2" If surveyed while building, afloat, in dry dock Afloat and in Dry Dock.

## 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.
<b>FRAMES, Spacing amidships</b>	<u>24</u>		<b>Bracket Floors, Frame</b>	<u>1</u>	
" " from 3/4 length to Collision bulkhead	<u>24</u>	<u>See letter</u>	" " Reversed Frame	<u>1</u>	
" " in peaks	<u>24</u>		" " Vertical Struts	<u>1</u>	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<u>1</u>	
Frame Amidships, Angle <u>E-F</u>	<u>3 1/2 3 3/8</u>	<input checked="" type="checkbox"/>	" " top Angles	<u>1</u>	
" " Extends up to <u>Deck</u>	<u>Deck</u>	<input checked="" type="checkbox"/>	" " bottom Angles	<u>1</u>	
Reversed Frame Amidships, Angle	<u>2 1/2 2 1/2 5/16</u>	<input checked="" type="checkbox"/>	<b>Side Girders, No. each side and thickness</b>	<u>4</u>	
" " Extends up to <u>Deck</u>	<u>Deck</u>	<input checked="" type="checkbox"/>	<b>Margin Plate depth (excl. of flange) and thickness</b>	<u>1</u>	
Depth of Framing Girder	<u>3 1/2</u>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<u>1</u>	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	<u>1</u>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<u>1</u>	
" " Second 'tween Decks, Angle, [ or ]	<u>1</u>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling abaft 1/2 len. from stem	<u>1</u>	
" " Third " " " "	<u>1</u>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling forward 1/2 len. from stem	<u>1</u>	
Framing in Peaks, Angle <u>E-F</u>	<u>3 1/2 3 3/8</u>	<input checked="" type="checkbox"/>	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<u>1</u>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>3/4 - 5/16 Dms</u>	<input checked="" type="checkbox"/>	<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled	<u>No.</u>		Breadth and thickness of Middle Line Strake	<u>1</u>	
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	<u>1</u>		Thickness of remainder in Holds	<u>1</u>	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars	<u>1</u>		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?	<u>1</u>	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds	<u>1 1/4 x 3/8 in. plates</u>		Uppermost Continuous Deck, amidships in Way, Angle, <u>E-F</u>	<u>5 3 3/8</u>	<input checked="" type="checkbox"/>
Height of Brackets at side above base line at toe of frame	<u>1 1/4 x 3/8 in. plates</u>		" " in way of Bridge, Angle, [ or ]	<u>1</u>	
Middle Line Keelson, on Floors, Angles, [ or ]	<u>1 1/4 x 3/8 in. plates</u>		Spacing	<u>24</u>	
" " Through Plate or Intercostal Plate	<u>1 1/4 x 3/8 in. plates</u>		<b>Long Beams in way of Cargo Tanks</b> 7 x 3 x 40 BA	<u>1</u>	
" " Foundation Plate on Floors	<u>1 1/4 x 3/8 in. plates</u>		Second Deck, amidships, Angle, <u>E-F</u>	<u>5 3 3/8</u>	<input checked="" type="checkbox"/>
" " Flat Plate Keel Angles	<u>1 1/4 x 3/8 in. plates</u>		Spacing	<u>24</u>	
Side Keelsons, No. each side	<u>1</u>		Third Deck, amidships, Angle, [ or ]	<u>5 2 1/2</u>	<input checked="" type="checkbox"/>
" " thickness of Intercostal Plate	<u>5/16</u>		Spacing	<u>1</u>	
" " Angles	<u>2 - B.A. 7/8 3 7/16</u>		Fourth Deck, amidships, Angle, [ or ]	<u>1</u>	
<b>DOUBLE BOTTOM.</b>			Spacing	<u>1</u>	
Solid Floors, thickness and spacing	<u>1</u>		Bridge Deck, Angle, [ or ]	<u>1</u>	
" " Are Frame and Reversed Frame joggled?	<u>1</u>		Spacing	<u>1</u>	
Bracket Floors, breadth and thickness at middle line	<u>1</u>		Forecastle Deck, Angle, [ or ]	<u>1</u>	
" " breadth and thickness at margin plate	<u>1</u>		Spacing	<u>1</u>	

WRECK SECTION  
No. 103801



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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.
<b>PILLARS, No. of Rows.....</b>		1			Stringer Plate, breadth and thickness in way of Bridge .....	✓			
„ <sup>1st</sup> in between Decks, Size and Spacing.....	2 1/2	48			Thickness of Plating abreast Deck openings in way of Wells .....	✓	3		
„ „ „ „ „	✓				Thickness of Plating abreast Deck openings in way of Bridge .....	✓			
„ in Holds „ „	✓				Thickness of Plating within line of openings...	✓			
„ „ „ „ „	✓				If Sheathed, material and thickness .....	✓	5" x 2 1/2"		
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	7 x 3 1/2 x 38 GA.		7 x 3 x 40		Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of .....	Space 36"	30			If Plated, state thickness.....	✓			
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	45" x 1/2"		✓		If Plated, state thickness .....	✓			
„ „ „ „ in way of Bridge	✓				<b>Poop Deck.</b>				
„ Angle in Wells .....	3 1/2 3 1/2 4				Stringer Plate, breadth and thickness .....	✓			
Thickness of Plating abreast Deck openings in way of Wells .....	5/16		✓	6 where 20 pieces	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge .....	✓				<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...	✓				Stringer Plate, breadth and thickness.....	✓			
If Sheathed, material and thickness .....	P.P. 2 1/2 x 1/2 x 9 GA.		✓		Plating, Sheathing, material and thickness ...	✓			
<b>Second Deck. In way of Aeron. Fair</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells	48 3				Stringer Plate, breadth and thickness.....	✓			
„ in way of Stern Bulkhead Fair.					Plating, Sheathing, material and thickness ...	✓			

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Extending to Upper Deck (Sec. 3 c)		Deck next below		As per Rule	
STIFFENERS.							
Plating Thickness.	VERTICAL.		HORIZONTAL.		Scantlings.	Spacing.	
	Scantlings.	Spacing.	Scantlings.	Spacing.			
MIDSHIP BULKH'D, Upper tween decks	✓						
" " Second "	✓						
" " Third "	✓						
" " Holds .....	13	7x8x1/40 B.R.	30	✓	✓		
COLLISION " (in Hold) .....	1/20	6x8x1/40 B.R. 2 1/2 x 3 1/4 in.	30	Acrom. D.R.	✓		
AFTER PEAK " " .....	1/20	"	"	3 1/2 x 3 x 3/8	✓		

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓	✓		
STEM .....	Forged.	6x1 1/4"		
STERN FRAME { Propeller Post .....	"	6x3 1/2"		
{ Rudder .....	"	"		
RUDDER—A x D .....	✓			
Speed of Vessel .....	✓			
RUDDER mainpiece at head ...	3 3/4"	✓		
" " heel ...	✓			
" " how constructed .....	Solid Forged.			
" " double or single plate .....	3/8"			
" " coupling, vertical or horizontal .....	Nil.			

STEEL.

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

The Steel used in the Construction of the vessel appears to be of good quality.  
Paints " " "  
Steel covers for alternators - Open Heart Process. - Large Flat Iron b. Shrimps Iron b. Small Dimpled Steel Iron C.  
Has the Steel been tested as required by the Rules? Steel for alternators Yes.

Has the Steel been tested as required by the Rules?

Steel for alterations ✓



EQUIPMENT No. As Appointed.										LETTER	ANCHORS.	2 B. 1 S.			
Number of Certificate.	Anchor.	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.			
15418.	1st Bower ...	7	0	6	1	1	16.	9	5	0	0	As appointed 15/11/33.	Pick. with lifting cleat.	✓	Charles 19/12/33 J. Parnon.
15417.	2nd „ ...	5	0	0	1	1	7	7	7	2	0		" " " "	✓	" " "
	3rd „ ...	These anchors are not new but have been previously used.													
	Collective weight.	12	0	6											
83818	Stream .....	4	2	8	1	0	27.	7	0	0	0	3	Iron Shank (ordinary).	W. Longley & Co.	Int. 11/8/20 11/8/20

## 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.	Break-ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Chr.	Tons.	Length.	Chr.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
14640	10 1/2	1	18	24	63	2	14			No approved.	Steel	Charles 19/12/33 J. P. Parnon	POWLINE	60	2 1/2	10.8	60	2 1/4
This chain cable is not new but has been previously used & was originally 1 1/8" dia.																		
* 87463	15 1/2	1 1/8	22 1/4	34 1/8	9	3	5	9	3	0		Off. 27/6/33 J. P. Parnon	HAWSERS & WARPS	60	4		60	4
* This chain cable is not new but has been previously used.																		
* 87464	15 1/2	1 1/8			9	2	13	9	3	0		Off. 27/6/33 J. P. Parnon						
Cir.																		
Lower Stream (Chain) or Steel Wire	60	2 1/2		17.2				65	2 1/2									

Steering Gear, Steam *Steam Steering Gear Letter* Steering Gear, Hand *Hand Liller*

Boats *2 @ 16'0" x 6'7 1/2" x 2'3"* Steering Chains, Size and Test *1/2" Dia. — 3 Tons.* Windlass *Steam Windlass*

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

Cargo Hatchways.—(Upper Deck) *✓* Thickness of Hatches *✓*

Size of No. 1 Hatchway (Forward) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

Builder's Signature

GENERAL DECLARATION: It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *Yn.* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Yn. (Sludge)*. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This vessel was originally built as a Section Pump Drift and has now been converted into a vessel for cleaning tanks in Cargo and Oil Carrying steamers.*

*Attention has been called to the approved plans, the Surveyor's letter and the Society's rules See also separate report.*

*Plans 5 in number are forwarded for reference.*

*Oil fuel for burning is carried in supply tanks abaft the after cofferdam Flash point above 150°F.*

*Cargo Tanks have been constructed in the vessel between frames 29 & 50.*

*Butts, Buckheads and all tanks have been satisfactorily tested — For other particulars please see Special Survey report.*

*Extreme width of vessel over rollers = 28'7 1/2"*

The amount of Entry Fee ..... £ 40 : - : - Fees applied for, *11 MAY 1934*

Damage Survey 3 3 : - : - Received by me, *26/5/34*

Special Survey Fee.... £ : : : *26/5/34*

Travelling Expenses, if any £ : : : *26/5/34*

I am of opinion the Vessel should be Classed *A.1.*

*"PETROLEUM SLUDGE VESSEL"*

*"FOR SERVICE IN THE RIVER MERSEY AND AT HOLYHEAD"*

State whether the Vessel has been built under Special Survey *No.*

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Liverpool*Date of issue *30/5/34*

Committee's Minute

*LIVERPOOL**11 MAY 1934*

Character assigned

*A1-H.34.*

*Petroleum Sludge Vessel*

*For Service in the River Mersey*

*and at Holyhead.*

*Lloyd A & C.P.**S.S. Bkn 2<sup>nd</sup> No 3. H.34.**Long S.34*

*Fitted for oil fuel S.34*

*F.P. above 150°F*

*Elec. Light.*

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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.)

Plans forwarded with this report:-  
Transverse Sections  
General Arrangement  
New Shell and Deck Plating  
New Bulkheads.  
Miscellaneous Sections

Subsequent to the Classification Survey the vessel received damage; stated to have been caused by heavy weather and striking a buoy at the Murray Bar.

Vessel placed in Dry Dock. Bottom keels cleared, scummed & coated. Repairs:- One structural plate Port Side in way of Stowhold failed to place and a doubling plate fitted. Landing of plate below failed to place and a doubling plate failed to place. One frame, one member frame and two beams failed to place. One beam knee removed failed & replaced. Window opened up, main bearing refastened, hard shaft removed straightened & refitted. Electric wires and fuse box overhauled. 3 pipes removed for repair and replaced. Stowhold bulge rough cleared. 10 Bower Anchors and 60 fms of chain cable supplied (replacing lost equipment).

No of Anch.	No of Cert.	Description	Length of Anchor	Weight of Anchor	Description of Chain Cable	Length of Cable	Weight of Cable	Where & When Taken
1 Anchor.	18877	7.2.21	9.18.0.14	As approved.	Green Galv. Laps	25/10/32	22.4	Edinburgh
60 fathoms.	35922	1 1/8	22 1/4	3 1/8	38.815	59.0.0	As approved 1 1/8.	Stair Link Port Sea Off. 17/2/34 Off. Edinburgh

This cable has been previously tested

Damage report was not required by owner

A Report was made by Contractor shown for underwriters.

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

1st Bower ✓  
2nd " ✓  
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 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 DE (24).

Official No.

Signal Letters

Is bottom of Vessel coated with cement? For peeling of 2-15 ft. from 1 ft. if not give 1 ft. 1 ft. 1 ft.

particulars of composition No composition in way of tanks.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.		Where Fitted.	Length.		Water Capacity.	
	Feet.	Tons.	Feet.	Tons.		Feet.	Tons.	Feet.	Tons.
Double bottom, aft,					Fore peak tank,	10'	14		
Double bottom, under Engines and Boilers,					After peak tank,	8'	8		
Double bottom, if under Engines only,					Deep tank, aft,				
Double bottom, if under Boilers only,					Deep tank, forward,	14'	57		
Double bottom, forward,					Other tanks, if fitted,				
					(If necessary, furnish further information by sketch.)				
					* The wells are not to be included in the lengths of the tanks.				

Order for Special Survey Attached

Date

Dates of Surveys held while building

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