

Rpt. 1.

STEEL STEAMER ~~or~~ MOTORSHIP.

Received at London Office

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

Date of completion of report

19th August 1930.

Port of

HULL

No.

41129.

Survey held at

HULL

Date First Survey

14 April/30

Last Survey

18 August 1930

On the (State if Machinery fitted Aft and if ~~any~~ Twin ~~or~~ Screw)

TWIN SCREW STEAMER "LIMPOPO"

MACHINERY FITTED AMIDSHIPS.

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

FULL SCANTLING

State Type of Erections LONG POOP & FULL

TONNAGE under Tonnage Deck...

370.62

CLASS 100 A.I.State if with freeboard as condition of Class NoBuilt at HULLDo. 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 170.0

Launched 16/7/30Yard No. 678

Total

370.62

Breadth (greatest moulded)

B 30.0

Builders EARLES S. & E. CO. LTD.

Gross Tonnage

646.89

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

D 11.5

Owners EMPRESO DO LIMPOPO (A. GOUTO)

Register Tonnage

285.84

1st Longitudinal Number (L x D) = 1955

Managers ✓

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

2nd Numeral L x (B + D) = 7055

Residence ✓

REGISTERED DIMENSIONS. FEET.

Length

170.2

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

9.10

Port of Registry LOURENÇO MARQUES

Breadth

30.2

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

14.78

If surveyed while building, afloat, or in dry dock

Depth

9.7

Do. Long Bridge to top of keel

8.72

WHILE BUILDING ON THE STOCKS AND AFLOAT.

Draught Moulded 10'-11 3/4"

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	4 1/2 3 .32	✓
" " from 1/2 length to Collision bulkhead	22"	✓	" " Reversed Frame	4 3 .32	✓
" " in peaks	22"	✓	" " Vertical Struts	4 1/2 3 .32	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	28 3/4 x .35	✓
Frame Amidships, Angle, <u>4-3-36</u>	4 3 .36	✓	" " top Angles	3 3 .32	✓
" " Extends up to <u>ALTERNATE TO POOP AND UPPER DECK AND FULL</u>			" " bottom Angles	3 3 .36	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE .27	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	26 1/2 .30	✓
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3 .28	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <u>X X X</u>	3 2 1/2 .26	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	4 1/2 4 1/2 .30	✓
" " Second 'tween Decks, Angle, <u>[or [</u>	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	NONE	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	NONE	
Framing in Peaks, Angle <u>X X</u>	4 3 .32	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	32" .30	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 7 Dia	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	✓	Breadth and thickness of Middle Line Strake	39 .32	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	FRAMES 5 1/2 x 3 x .30 AA. NO PLANS FOR REDES 678 SIDE STRINGER - DEEP FRAMES.	✓	Thickness of remainder in Holds	.28	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	2 STRAQUES OF SHELL MIDSHIP THICKNESS MAINTAINED TO COLL. FULL HEAD, TRANS INTERCOSTALS CARRIED AS FAR FORWARD AS FORM OF VESSEL WILL ALLOW. BOTTOM FRAMES 3' 3" x .28 DOUBLE FORWARD.	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, <u>X X X</u>	6 3 .38	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, <u>X X X</u>	5 3 .32	✓
Middle Line Keelson, on Floors, Angles, <u>[or [</u>			Spacing	22	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, <u>[or [</u>		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, <u>[or [</u>		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, <u>[or [</u>		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, <u>X X X</u>	6 3 .38	✓
Solid Floors, thickness and spacing	28 SPACED 66"	✓	Spacing	22"	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Bridge Deck, Angle, <u>X X X</u>	6 3 .32	✓
Bracket Floors, breadth and thickness at middle line	22" .28	✓	Spacing	22"	✓
" " breadth and thickness at margin plate	22" .28	✓	Forecastle Deck, Angle, <u>X X X</u>	5 3 .34	✓
			Spacing	22"	✓

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	<i>IN HOLDS ONE</i>				
" in 'tween Decks, Size and Spacing.....	<i>2 3/8 7m. 44"</i>				
" " " " " "					
" in Holds " "	<i>2 1/2 7m. 44"</i>				
" " " " " "					
Centre Line Bulkhead.					
Stiffeners and Spacing.....					
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	<i>38" x 44</i>				
" " " " in way of Bridge	<i>38" x 32</i>				
" Angle in Wells	<i>3 1/2 3 1/2 44</i>				
Thickness of Plating abreast Deck openings } in way of Wells	<i>32</i>				
Thickness of Plating abreast Deck openings } in way of Bridge	<i>26</i>				
Thickness of Plating within line of openings...	<i>30 to 26</i>				
If Sheathed, material and thickness	<i>5 x 2 1/2 PITCH P.N.E.</i>				
Second Deck.					
Stringer Plate, breadth and thickness in Wells...					
Stringer Plate, breadth and thickness in way } of Bridge					
Thickness of Plating abreast Deck openings } in way of Wells					
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	<i>31" x 34</i>				
Plating, Sheathing, material and thickness ...	<i>TIE PLATES 26</i>				
Bridge Deck.					
Stringer Plate, breadth and thickness.....	<i>40 x 38</i>				
Plating, Sheathing, material and thickness ...	<i>25 5 2 1/2 P.P.</i>				
Forecastle Deck.					
Stringer Plate, breadth and thickness.....	<i>31" x 26</i>				
Plating, Sheathing, material and thickness ...	<i>26 5 2 1/2 P.P.</i>				

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—							
Extending to Upper Deck (Sec. 3 c)	4						
„ Deck next below	✓						
As per Rule	4						
		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks							
„	„	Second	„				
„	„	Third	„				
„	„	Holds	36	5.3.32	30	✓ ✓
COLLISION		„	(in Hold)	30	6.3.38	24	SEMI BOX BEAM.
AFTER PEAK		„	34	6.3.55	24	TUNNEL RECESS TOP

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE KEEL.			
STEM	ROLLED BAR	6 x 1 1/4	FROTHINGHAM STEEL CO.	✓
STERN FRAME {	Propeller Post	FORGED	✓	✓
	Rudder "	6 x 1 1/2	EARLE & S. A. CO. LTD. HULL	✓
RUDDER—A x D	41.8 x 2.25 =	94.0		✓
Speed of Vessel	10 1/2 KNOTS.			
RUDDER mainpiece at head ...	FORGED	5"	SUNDERLAND FORGE	✓
" " heel ...	"	3 3/4"	ENG. CO. LTD.	✓
" how constructed	SINGLE PLATE RUDDER			
" double or single plate		77		✓
" coupling, vertical or horizontal	✓	✓	✓	✓

STEEL.

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

SOUTH DURHAM, CARGO FLEET, FRODINGHAM STEEL CO, CONSETT IRON CO.

Has the Steel been tested as required by the Rules? *YES.*

OPEN HEARTH PROCESS

Lloyd's Register
Foundation

