

STEEL STEAMER or MOTORSHIP.

Revised at London Office 24 APR 1929

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 *April 19 1929*Port of *Glasgow*No. *49089*Survey held at *Glasgow*Date First Survey *14. 2. 28*Last Survey *19. 4. 29*On the (State if Machinery fitted with or without Tonnage Deck) *Iron Screw Motor Ship 'MANUNDA'*State Type (Full Sailing, Complete Superstructure, with or without Tonnage Deck) *Complete Superstructure without Tonnage Deck* State Type of Erections *Yes*

TONNAGE under Tonnage Deck

*478 14 15*CLASS *180 A.I. with 7 ft* State if with freeboard as condition of Class *Yes*Built at *Glasgow*

Do. of space or spaces between Tonnage Deck and Upper Deck

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 430*Launched *27. 7. 1928* Yard No. *651*Total *6706 14 15*Breadth (greatest moulded) *B 60*Builders *Wm. Beames & Co.*Gross Tonnage *9115. 43*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 35. 5*Owners *Adelaide Steamship Co. Ltd.*Register Tonnage *5299. 77*1st Longitudinal Number (L x D) *= 15265*

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

REGISTERED DIMENSIONS.

FEET.

Length *430*Framing Depth "d," at middle of length. See Sec. 3 (1d) *16. 9*

Residence

Breadth *60. 25*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11. 17*Port of Registry *Malton*Depth *26. 1* *(35. 6)*Brought Moulded *24. 6*If surveyed while building, afloat, or in dry dock *Yes*

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	<i>30</i>		Bracket Floors, Frame	<i>✓</i>	
" " from 1/3 length to Collision bulkhead	<i>27</i>		" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>24</i>		" " Vertical Struts	<i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>43 1/2</i>	<i>57</i>
Frame Amidships, Angle [or]	<i>10 3 1/2 44</i>		" " top Angles	<i>3 1/2</i>	<i>3 1/2 54</i>
" " Extends up to	<i>3rd deck</i>		" " bottom Angles	<i>4 1/2</i>	<i>4 1/2 62</i>
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>2</i>	<i>42</i>
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>48</i>	<i>54</i>
Depth of Framing Girder	<i>10</i>		2nd top stringer out 1/2 inch 7 beam		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>6 1/2 3 1/2 45</i>		Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 x 6. 46</i>	<i>6 x 6. 46</i>
" " Second 'tween Decks, Angle, [or]	<i>6 1/2 3 1/2 45</i>		Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>6 x 6. 46</i>	<i>6 x 6. 46</i>
" " Third " " "			Gussets, spacing and scantling abaft 1/2 len. from stem	<i>✓</i>	
Framing in Peaks, Angle [or]	<i>7 3 1/2 47</i>		Gussets, spacing and scantling forward 1/2 len. from stem	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7 @ 5 inch 1/2</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>8 1/2</i>	
State if Frame Joggled	<i>Yes</i>		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>See frame d. as above, beam as approved</i>		Breadth and thickness of Middle Line Strake	<i>53 1/2</i>	<i>53</i>
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>As approved</i>		Thickness of remainder in Holds	<i>1/4</i>	
SINGLE BOTTOM.			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bulkhead and Boiler Room?	<i>Yes</i>	
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		BEAMS.		
Height of Brackets at side above base line at toe of frame	<i>✓</i>		Uppermost Continuous Deck, amidships in Walls, Angle [or]	<i>8 1/2</i>	<i>3 1/2 45</i>
Middle Line Keelson, on Floors, Angles, [or]	<i>✓</i>		" " in way of Bridge, Angle, [or]	<i>✓</i>	
" " Through Plate or Intercostal Plate	<i>✓</i>		Spacing	<i>30</i>	
" " Foundation Plate on Floors	<i>✓</i>		Second Deck, amidships, Angle [or]	<i>8 1/2</i>	<i>3 1/2 45</i>
" " Flat Plate Keel Angles	<i>✓</i>		Spacing	<i>30</i>	
Side Keelsons, No. each side	<i>✓</i>		Third Deck, amidships, Angle [or]	<i>9</i>	<i>3 1/2 48</i>
" " thickness of Intercostal Plate	<i>✓</i>		Spacing	<i>30</i>	
" " Angles	<i>✓</i>		Fourth Deck, amidships, Angle, [or]	<i>✓</i>	
DOUBLE BOTTOM.			Spacing	<i>✓</i>	
Solid Floors, thickness and spacing	<i>42 30 1/2</i>		Poop Deck, Angle, [or]	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Spacing	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Bridge Deck, Angle, [or]	<i>✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>		Spacing	<i>✓</i>	
			Forecastle Deck, Angle [or]	<i>8 1/2</i>	<i>3 1/2 46</i>
			Spacing	<i>27 1/2</i>	

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.....	Two		✓	Stringer Plate, breadth and thickness in way of Bridge	✓		
" in 'tween Decks, Size and Spacing.....	8			Thickness of Plating abreast Deck openings in way of Wells	✓		
" " " " "	Wide Spaced			Thickness of Plating abreast Deck openings in way of Bridge	✓	38	
" in Holds " " "	fuller +			Thickness of Plating within line of openings...	✓	46 at Eng. Room	
" " " " "	deep girders			If Sheathed, material and thickness	✓	34	
" " " " "	6 per upper plan						
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	5 1/2	24	✓
Plating, thickness of	✓			If Plated, state thickness.....	✓	30	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	63 1/2	63		If Plated, state thickness	✓		
" " " " in way of Bridge	✓			Poop Deck.			
" Angle in Wells	6	6	63	Stringer Plate, breadth and thickness	✓		
Thickness of Plating abreast Deck openings in way of Wells	45	60	at engine casing	Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓			Bridge Deck.			
Thickness of Plating within line of openings...	40			Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness	3	2 inch	✓	Plating, Sheathing, material and thickness ...	✓		
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	5 1/2	42		Stringer Plate, breadth and thickness.....	✓	36	
" " " " " "	✓			Plating, Sheathing, material and thickness ...	✓	36	
" " " " " "	✓					3" 2 inch thick	

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.										
FLAT PLATE KEEL	52	.78	.70	.70			566	1	3/4	4	1	3 1/2	Slapped	
" DBLG. (if any)		✓												
BOTTOM PLATING, No. of Strakes 360	.50	.50			566	3/8	3 1/2	3	3/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 260	.50	.50										
SIDE PLATING, No. of Strakes 460	.46	.46										
UPPER DECK, Sheer-strake in Wells	69	.71	.46	.46						4	3/8	3 1/2		
UPPER DECK, Sheer-strake in Bridge ...		✓												
STRAKE BELOW Sheer-strake in Wells	50 1/2	.56	.46	.46			566	7/8	3 1/2	4	7/8	3 1/2	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...														
POOP SIDE PLATING														
BRIDGE SIDE PLATING ...														
FORECASTLE SIDE PLATING			.42				Single	3/16	3	1	3/16	2 7/8	Lapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 8

Extending to ^{2nd} Upper Deck (Sec. 3 c) 6 1/2 2nd deck
Collision Bulkheads ok

.. Deck next below 1 1/2 3rd deck

As per Rule 7 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			✓
STEM	Rolled	10 x 2 7/8	Wm. Beardmore & Co	
STERN FRAME { Propeller Post				✓
{ Rudder	← Casting Sea plate	4mm Beardmore P.C.		✓
RUDDER—A x D.....	76in. 75"			
Speed of Vessel.....	15 3/4			
RUDDER mainpiece at head ...	Steel forged	1 1/2 x 1/4	Wm. Beardmore & Co	13 1/2
" " " " heel ...	Cast Steel	17 1/2		15 1/2
" " how constructed	Cast & Forged			
" " double or single plate	Double			
" " coupling, vertical or horizontal.....	Horizontal			

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D.	Upper tween decks	✓	26	5×3×35	30	
"	" Second "					
"	" Third "					
"	No 119 " Holds	✓	40-30	5 10×2½	46 30	
COLLISION	" (in Hold)	✓	53-34	8.3 5 48	24 (2) 24	2×36
AFTER PEAK	" "	✓	48 6-36	8.3 5 40	26	Drumel flat

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*
Wm Beardmore & Co, Llanarthir, Skinnergrove, Boletons Vaughan, Colville, Cardiff, Llanarthir

Has the Steel been tested as required by the Rules? *No*

EQUIPMENT No. 45675-

LETTER C⁺

ANCHORS.

Number of Certificate.	Anchor.	WEIGHT, EL. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 52.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
61453	1st Bower	Owls. qrs. lbs. 79 0 7	Slack	58 2 2 0	77.0.0	Dayton, Bradmont	S. Dayton	25.8.28 Drysdale
61418	2nd "	77 0 24		57 5 0 0	77.0.0	H.B. Ford & Co. Ltd.		16.8.28
61440	3rd "	66 1 0		51 13 0 14	65.2.0	"		23.8.28
	Collective weight.	222 2 3			219.2.0			
61461	Stream	22 2 21	5 3 0	22 16 3 14	22.0.0	Ordinary	S. Dayton	29.8.28 Drysdale

CHAIN CABLES.

HAWERS 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.
	Fathoms. Ins.	Total. Tons. qrs. lbs.	Supplied. Per Role.	Fathoms. Ins.					Fathoms. Ins.	Tons. qrs. lbs.	Fathoms. Ins.
85086	150 2 1/2	106 10 1/2	448-2-16	390-1-0	300 2 1/2	Shild & Hough, Harn	24.8.28 Drysdale	TOWLINE	130 5 3/4	78	130 5 3/4
85092	150 2 1/2	106 10 1/2	448-3-16	397-1-14			2.8.28 Drysdale	HAWERS & WARPS	100 8		(2) 100 8
	300 1 1/2	106 10 1/2				Shild & Hough, Harn	24.8.28 Drysdale		200 6		(2) 100 8
63897	120 5"	59			120 5	Shild & Hough, Harn	24.8.28 Drysdale		(2) 60 12"	main hawser	
										7th hawser	

Steering Gear, Steam Brown Electric Hydraulic

Steering Gear, Hand

Boats

Steering Chains, Size and Test

Windlass Electric of Clark Chapman

Ceiling in Holds, thickness and material

2 1/2 pms

Cargo Batts, thickness, material and spacing

2 1/2 pms

Cargo Hatchways, (Upper Deck)

2 1/2 x 3

Good cross steel

Thickness of Hatches

2 1/2 x 3

Size of No. 1 Hatchway (Forward)

15.9 x 12.0

No. 2

20.6 x 16.0

No. 3

15.0 x 15.0

No. 4

25.0 x 15.0

No. 5

17.6 x 15.0

No. 6

Number of Shifting Beams and/or Fore and Afters

3

beams in No. 1 & 5 holds

4

beams in No. 2 hold

2

beams in No. 3 hold

4

beams in No. 4

beams in No. 6

beams in No. 4

Builder's Signature

FOR WILLIAM BEARMOORE & CO. LONDON

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

Oil fuel carried in double bottom deep tanks in mid space

The workmanship and material are good. The vessel has been built in accordance with the approved plans, the Register's rules, and in accordance with the Rules for the class contemplated. The double bottom oil fuel tanks, the deep oil fuel tanks, the deep fresh water tank, the fore and after peak tanks, the bulkheads, transverse bulkheads, have been tested as required by the Rules.

The hull and keel have been cut in in the vessel's sides and verified

The amount of Entry Fee £ 11 : 0 : 0

Fees applied for,

Special Survey Fee £ 427 : 17 : 6

Travelling Expenses, if any £ 13 : 15 : 0

19.4.1929

Received by me,

I am of opinion the Vessel should be Classed #100 A1 with Free?

Corresponding to a modified Draft of 24'-0"

State whether the Vessel has been built under Special Survey

No

Signature

J. W. H. Hume

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Glasgow

Date of issue 30/4/29

Committee's Minute

GLASGOW 23 APR 1929

Character assigned

+ 100 A1

With freeboard

4.29.

Lloyd's A.T.P.

+ L.M.C. 4.29.



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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 the Plans should be embodied.)

Plan

Mid sec as built already forwarded

Appd. Mid sec

✓ Profile sketch

✓ Gun plan built over

✓ Framing of deck in oil tank

✓ Oil fuel bunker

✓ Engine casing

✓ Pillaring in way of oil fuel bunker

✓ Tunnel tank

✓ Fuel oil tank

✓ Bulwark Superstructure thick support

✓ Sail House

✓ Rigging plan

✓ Section of hull pipe and

✓ Automatic closing Cap to Short Lbs on oil fuel tank

✓ Standard Coast Gun

✓ Engine Room Framing & Pillaring

✓ Engine casing

✓ Deck girder

✓ aft end framing

✓ Fore end framing

✓ House on Prom. deck

✓ Ketch Ketch

✓ Port oil tank

✓ Up of wing at fuel double bottom

✓ Deck in shell

✓ Deck top plan

✓ Deck casing

✓ Pillar of fuel structure 166 33 ft

✓ " " " " " " " "

5 Frying Report

✓ Pillar of fuel at Boat Deck

✓ Fresh water tanks

✓ Helix & Helix tank

✓ Shaft Bracket

✓ Gun in Oil Tank at Engine Room

✓ Main oil tank

✓ Framing plan

✓ Boat deck plating

✓ Deckhead

✓ Pillar of fuel under Gun Room

✓ Multiple punching diagram

✓ Arg. at tank. plates 25 in. thick

✓ Shell plating in way of wing

✓ Modification to Hull for

✓ Gun in 1st class saloon

✓ Thermo tank vent

✓ Mult. riveting from deck

✓ Brown Iron Steer gear

✓ Boat daint

✓ Arg. in line of helix from

✓ Steer gear & Rudder as appd

✓ Steer gear & Rudder as appd

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 82
(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) 3 deck steel upper deck finished

Official No. : Signal Letters

Is bottom of Vessel coated with cement Part Cement if not

particulars of composition Behimashi & Co. Ltd. work

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	95	182	Fore peak tank,		75
Double bottom, under Engines and Boilers, <i>trans Engine Room</i>	95	450	After peak tank,		82
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	154	438	Other tanks, if fitted, <i>7th deep tanks above tunnel</i>	45	359
Total capacity of double bottom		1100	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5910

Date 13. 4. 28

Dates of Surveys held while building

1928 Feb. 14 21 28 29 Mar 5 8 21 26 30 Apr 3 4 6 10 11 13 14 20 30 May 1 7 8 11 14 15 22 23 25 27 28 29
June 6 7 12 14 15 18 19 22 25 27 29 July 2 3 4 6 11 24 26 27 30 Aug 2 3 6 10 13 15 16 21 25 27 31
10 13 14 18 20 21 25 27 28 Oct 1 2 3 4 8 9 10 12 15 16 18 19 24 25 26 27 28 29 30 31
15 18 21 23 25 29 Feb. 1 4 8 11 13 14 25 27 Mar 4 7 13 14 18 21 22 24 Apr 2 4 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31