

STEEL STEAMER or MOTORSHIP.

Received at London Office... 5 MAR 1927

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

- 3 MAR. 1927

Port of *Liverpool*No. *91583*Survey held at *Birkenhead*Date First Survey *October 1st 1925*Last Survey *March 1st 1927*

On the

(State if Machinery fitted with or without Tonnage Openings)

T.S.S. ANDALUGIA

State Type

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

State Type of Erections

Prop. Bridge, Sill + From Deck

TONNAGE under Tonnage Deck...

*9354.31*CLASS *8100A1**Unit Tonnage*State if with freeboard as condition of Class *Yes*

FEET.

Built at *Birkenhead*Launched *21st Sept 1926*, Yard No. *920*Builders *James Cammell Laird & Co.*Owners *Blue Star Line (1920) Ltd.*Managers *" " " " "*

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

Residence *London*Port of Registry *"*

If surveyed while building, afloat, or in dry dock

All three

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

Total

9354.31

Gross Tonnage

12836.21

Register Tonnage

7855.87

REGISTERED DIMENSIONS.

FEET.

Length

512.20

Breadth

68.30

Depth

34.05

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

L 510.00

Breadth (greatest moulded)

B 68.00

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

*D 37.30*1st Longitudinal Number (L x D) = *18997.50*2nd Numeral L x (B + D) = *53677.50*

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

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

18.70

Do. Long Bridge to top of keel

11.10

Draught Moulded

Extreme 27.50

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>32</i>		Bracket Floors, Frame	<i>B.R. 9 8 1/2 49</i>	
" from 1/2 length to Collision bulkhead	<i>27</i>		" Reversed Frame	<i>B.R. 8 1/2 3 1/2 49</i>	
" in peaks	<i>24</i>		" Vertical Struts	<i>B.R. 8 1/2 3 49</i>	
FRAMING.			Centre Girder, depth and thickness amidships	<i>48 1/4 1/80 BS-78</i>	<i>BS+10</i>
Frame Amidships, Angle, E or F	<i>9 3 1/2 56</i>	<i>50 for Collision</i>	" top Angles	<i>Angle 3 1/2 3 1/2 57 53</i>	<i>BS+10</i>
" Extends up to	<i>B.R. 7 3 1/2 36 44 L.P.R. all</i>		" bottom Angles	<i>Angle 5 5 67 61</i>	
Reversed Frame Amidships, Angle	<i>B.R. 9 1/2 3 1/2 56</i>		Side Girders, No. each side and thickness	<i>2 45 BS-64</i>	<i>BS+10</i>
" Extends up to	<i>Main Dk.</i>		Margin Plate depth (excl. of flange) and thickness	<i>4 1/2 58 BS-61</i>	
Depth of Framing Girder	<i>18 1/2</i>		" Vertical Angle to Tank side	<i>5 5 49</i>	
Frames in Uppermost Continuous Deck, Angle, E or F	<i>7 3 1/2 36 44</i>		" Bracket abaft 1/2 len. from stem	<i>5 5 49</i>	
" Second Tween Decks, Angle, E or F	<i>9 3 1/2 56</i>		" Vertical Angle to Tank side	<i>5 5 49</i>	
" Main to Lower Deck, Angle, E or F	<i>B.R. 9 3 1/2 56</i>		" Bracket forward 1/2 len. from stem	<i>BS-54</i>	
Framing in Peaks, Angle, E or F	<i>9 3 1/2 49</i>		" Gussets, spacing and scantling abaft 1/2 len. from stem	<i>45 Continuous</i>	
Number and Spacing of Rivets through Shell Plating	<i>7/8" x 6 Dia.</i>		" Gussets, spacing and scantling forward 1/2 len. from stem	<i>48 in 1/2 len. F.S. Long Bottom 7 1/2 x BS</i>	
Is Frame Joggled	<i>Yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>7 1/2 45</i>	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Stringer as per approved plan</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>as per plan</i>		Breadth and thickness of Middle Line Strake	<i>59 1/2 57 1/4 BS-72</i>	<i>BS+10</i>
DOUBLE BOTTOM.			Thickness of remainder in Holds	<i>53 1/4</i>	
Frames, Depth and thickness at mid-line in Holds	<i>✓</i>		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?	<i>Yes</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		BEAMS.		
Middle Line Keelson, on Floors, Angles, E or F	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	<i>11 3 1/2 3 1/2 49</i>	
" Through Plate or Intercoastal Plate	<i>✓</i>		" in way of Bridge, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	
" Foundation Plate on Floors	<i>✓</i>		" Spacing	<i>every frame</i>	
" Flat Plate Keel Angles	<i>✓</i>		Second Deck, amidships, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	
Keelsons, No. each side	<i>✓</i>		" Spacing	<i>every frame</i>	
" thickness of Intercoastal Plate	<i>✓</i>		Third Deck, amidships, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	
" Angles	<i>✓</i>		" Spacing	<i>every frame</i>	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	
Deck Floors, thickness and spacing	<i>96 45 BS-64 BS+10</i>		" Spacing	<i>every frame</i>	
" Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	<i>Off 8-5-3</i>
Bracket Floors, breadth and thickness at middle line	<i>59 1/4 45 BS-64 BS+10</i>		" Spacing	<i>every frame</i>	
" breadth and thickness at margin plate	<i>36 45 BS-64 BS+10</i>		Bridge Deck, Angle, E or F	<i>8 3/4 3 1/2 57 53</i>	
			" Spacing	<i>every frame</i>	
			Forecastle Deck, Angle, E or F	<i>9 3 1/2 3 1/2 57 53</i>	
			" Spacing	<i>every frame</i>	

	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.....	2		Stringer Plate, breadth and thickness in way of Bridge	63 x 40 x 50	
<i>Old beam on line</i>	13 x 50 / 7 1/2 x 40		Thickness of Plating abreast Deck openings in way of Wells	1 1/4 / 32	
<i>Running</i> between Decks, Size and Spacing.....	11 x 44 / 9 x 40		Thickness of Plating abreast Deck openings in way of Bridge	36 x 40	
<i>Main</i> " " " " " "	8 x 40 / 5 1/2 x 32		If Sheathed, material and thickness	✓	
<i>Stiffens</i> " " " " " "	4 1/4 x 8 1/2 x 32	all plans	Third Deck.		
in Holds <i>Aft</i> " " " "	13 x 50 / 10 1/2 x 44		Stringer Plate, breadth and thickness.....	63 x 40 x 34	
<i>Fore</i> " " " "	15 x 56 / 11 x 50		If Plated, state thickness.....	30	
Centre Line Bulkhead.			Fourth Deck. Fore		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	63 x 40 x 34	
Plating, thickness of	✓		If Plated, state thickness	30	
STRINGERS AND DECKS.			Poop Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness	40	
Stringer Plate, breadth and thickness in Well.....	60 1/2 x 40 - 46		Plating, Sheathing, material and thickness	30 2 1/2 O.P.	
" " " " in way of Bridge	60 1/2 x 50 x 40		Bridge Deck.		
" Angle in Wells	7 7 108		Stringer Plate, breadth and thickness.....	53 x 72 - 46	
Thickness of Plating abreast Deck openings in way of Wells	66	(see plans)	Plating, Sheathing, material and thickness	59 / 36 2 1/2 O.P.	(see plans)
Thickness of Plating abreast Deck openings in way of Bridge	44 ✓		Forecastle Deck.		
If Sheathed, material and thickness	✓		Stringer Plate, breadth and thickness.....	40	
Second Deck.	52 x 46 - 36 aft. ✓		Plating, Sheathing, material and thickness	50 / 30 2 1/2 O.P.	
Stringer Plate, breadth and thickness in Wells.....	63 x 40 - 36 fore ✓				

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. 2.				BUTTS.			
	AMIDSHIPS.		FORWARD.			SINGLE OR DOVBLE.	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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	58	'96	'88	'85	<i>7 Dist Keel</i>	2R	1 1/8	D	5R. 4R. 3R.	1 1/8	4 1/2 x 4	<i>Rapped & Strapped at b</i>	
" DBLG. (if any)	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes <i>A.H.S.K.A.</i>	78 1/2	.75	<i>A. 70 A. 72 E. 50</i>	<i>A.B. 50 C.D. 62 E. 64</i>		2R	1-7/8		4R. 3R.	1-7/8	4.0	<i>Rapped</i>	
BILGE PLATING, No. of Strakes <i>A.H.S.K.A.</i>	71 1/4 76 1/2	.75	.62	.66		3R. 2R.	"		" "	" "	" "	"	
SIDE PLATING, No. of Strakes <i>A.H.S.K.A.</i>	77 1/4	.73	.50	.50		2R	"		" "	" "	" "	"	
UPPER DECK, Sheer-strake in Wells..... <i>A.H.S.K.A.</i>	62 1/4	<i>108 double at ends</i>	"	"		"	1 1/8 - 1		5R	1 1/8	4 1/2 D	"	
UPPER DECK, Sheer-strake in Bridge..... <i>A.H.S.K.A.</i>	"	.73	"	"		"	1		4R	1	4.0	"	
STRAKE BELOW SHEER-strake in Wells..... <i>L.</i>	74 1/4	.86	"	"		"	"		5R. 4R	"	4 1/2 x 4.0	"	
STRAKE BELOW SHEER-strake in Bridge..... <i>L.</i>	"	.73	"	"		"	"		4R	"	4.0	"	
BRIDGE SNEER O	50 1/4	.67	.46	.42	<i>53 1/2 long right claw of Prom.</i>	"	1-7/8		3R	7/8	3.0	"	
ROOF SIDE PLATING..... <i>P</i>	50 1/2	"	"	.72		"	7/8		"	"	"	"	
PROM. SNEER Q	54 1/2	.96	.96	.96		"	1		4R	"	4.0	"	
BRIDGE SIDE PLATING..... <i>Tops Side</i>	"	.58 x .46	.42 x .36			1R	7/8 x 3/4		1R	3/4	"	"	
TOPSIDE SIDE PLATING..... <i>Tops Side</i>	N + O Strakes double at Ends as approved					Bulkheads	.30		"	"	"	"	

Total No. of W.T. BULKHEADS in Vessel—		
Extending to Upper Deck (Sec. 3 c)	9	
" Deck next below	✓	
As per Rule	9	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>Flat Plate</i>			
STEM	<i>Round Steel</i>	<i>11 x 8</i>	<i>10 Oliver & Son.</i>	
STERN FRAME { Propeller Post	<i>Casting</i>	<i>16" x 16" x 12"</i>	<i>10 Oliver & Son.</i>	
{ Rudder	"	"	"	
RUDDER—A x D	"			
Speed of Vessel	<i>16" x 16"</i>			
RUDDER mainpiece at head ...	<i>Angle</i>	<i>16 3/4"</i>	"	
" " heel ...	"	<i>11 5/8</i>	"	
" how constructed	<i>Brass, Arms & screws & keys</i>			
" double single plate	<i>Single</i>	<i>1.25</i>		
" coupling, vertical	<i>Horizontal</i>			
" horizontal				

ANCHORS 4

HAWES AND HARRIS

Steering Gear, Steam *Telameter* *J. Hestie & Co.* Steering Gear, Hand *Relieving Larkle*

Boats *8* Steering Chains, Size and Test *-* Windlass *Clarks Chapman & Co.*

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

Cargo Hatchways.—(Upper Deck) *Planks + Angles* ✓ Thickness of Hatches *3"* ✓

Size of No. 1 Hatchway (Forward) *15'11" x 18'0"* No. 2 *24'11" x 18'0"* No. 3 *15'10 1/2" x 18'0"* No. 4 *15'11" x 18'0"* No. 5 *16'11" x 18'0"* No. 6 *15'11" x 17'11 1/2"*

Number of Shifting Beams and/or Fore and Afters *N°1-3 N°2-5 N°3-3 N°4-3 N°5-3 N°6-3* ✓

GENERAL DECLARATION *This vessel has been constructed in accordance with the*

The amount of Entry Fee £ 12 : 0 : 0 } Fees applied for,
Special Survey Fee.... 485 : 9 : 0 } - 3 MAR 1927
Travelling Expenses, if any £ : : } Received by me,
Frustrum 15 0 0 } 31. 3. 1927

I am of opinion the Vessel should be Classed *B. 100 A. 1. with freedom*

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

H.M. Certificate to be sent to *Liv.* Date of issue *1/4/27*

Signature *G. Laird Lyle*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute LIVERPOOL - 4 MAR. 1927

Character assigned + 100 A1 - 3.27.
with fld
Lloyds a + C.P.
+ L MC. 3.27.
Fitted for oil fuel 3.27.
F.P. above 15.0° F.
Elec: light.

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.)

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

1st Bower	4 63.3.13	5 26.2.15	Burndarf.	Oct 2 3854.	K.H.
2nd "	4 63.2.8	5 37.0.20	"	" 3853	K.H.
3rd "	4 53.1.13	5 31.2.22	"	" 3779	K.H.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 68.0 ft., R.Q.D. ✓ ft., Bridge 285.38 ft., Forecastle 78.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 3 DE (22) + 1 DE in
Steads N^o 1.2.3.5. (22).

Official No. 149782; Signal Letters ✓ If bottom of Vessel has been coated Inside ✓ give
particulars of composition Cement

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	157.0	509.8	Fore peak tank,	25.5	117
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	21.0	84
Double bottom, if under Engines only,	26.5	164.3	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	87.5	548.4	Deep tank, forward,	✓	✓
Double bottom, forward,	168.5	608.1	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1820.6	(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. 1190

Date 19/9/1925

Dates of Surveys held while building

1925. Oct 1. 20. Nov 3. 10. 15. 23. 25. Dec 2. 8. 15. 31.

1926. Jan 5. 7. 14. 20. 21. Feb 2. 11. 16. Mar 3. 8. 10. 17. 26. Apr 12. 28. May 5. 10. 13. 20. June 1. 3. 7. 11. 15. 16. 17. 22. 30. July 2. 6. 9. 14. 16. 21. 23.

28. 30. Aug 4. 8. 13. 17. 26. 31. Sept 1. 6. 7. 8. 13. Oct 5. 12. 19. 20. 21. 26. 28. Nov 2. 3. 4. 8. 11. 15. 16. 22. 26. Dec 7. 10. 16.

1927. Jan 6. 10. 13. 18. 20. 21. 26. 27. 28. Feb 1. 2. 3. 9. 11. 14. 25. Mar 1.

Total No. of Visits 95