

Rpt DISCLOSED

SECTION

No. 823

## NIN "AGATE" STEEL STEAMER MOTORSHIP.

DISCLOSED

-8 OCT 1936

SECTION

No. 823C

No. 57494

Date of completion of report

5-10-36

Port of Glasgow

Survey held at Glasgow

Date First Survey 23<sup>rd</sup> Jan 1936Last Survey 25<sup>th</sup> Sept 1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

S.S. Motorship "Queen Adelaide" (machinery amidships)

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

Complete Superstructure with tonnage opening State Type of Erections Forecastle

TONNAGE under Tonnage Deck... 4557.93

CLASS +100A1 with freeboard, State if with freeboard as condition of Class

FEET.

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

Length from fore part of stem to after part of stern of beam at side of uppermost continuous deck. See Sec. 3 (1c) L 410

Breadth (greatest moulded) B 55

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.5

Gross Tonnage 4932.6

1st Longitudinal Number (L x D) = 15170

Register Tonnage 2999.74

2nd Numeral L x (B + D) = 37720

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d) 25.4

Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.93

Do. Long Bridge to top of keel 25.64

Draught Moulded 25.64

Built at Glasgow

Launched 30. July 1936 Yard No. 658

Builders Messrs Barclay, Curle &amp; Co. Ltd.

Owners Queen Line Ltd.

Managers T. Dunlop &amp; Sons

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

Residence 50 Wellington St. Glasgow

Port of Registry Glasgow

Surveyed while building, 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.
FRAMES, Spacing amidships	3 1/2	✓	Bracket Floors, Frame	6 3/2 42	✓
" " from 3/8 length to Collision bulkhead	27	✓	" " Reversed Frame	6 3 34	✓
" " in peaks	24	✓	" " Vertical Struts	8 x 32 x 3 1/2 x 42	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x .54	✓
Frame Amidships, Angle, E or F	7 3 1/2 42	✓	" " top Angles	double 3 1/2 3 1/2 48	✓
" " Extends up to	Upper deck	✓	" " bottom Angles	4 1/2 4 1/2 52	✓
Reversed Frame Amidships, Angle	10 4 52	✓	Side Girders, No. each side and thickness	one .38	✓
" " Extends up to	2 <sup>nd</sup> deck	✓	Margin Plate depth (excl. of flange) and thickness	40 3/4 x .54	✓
Depth of Framing Girder	13 1/2	✓	" " Vertical Angle to Tank side Bracket abaft 1 <sup>st</sup> frame	double 3 1/2 x 3 1/2 x 46	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	7 3 1/2 42	✓	" " Vertical Angle to Tank side Bracket forward 1 <sup>st</sup> frame	double 6 6 46	✓
" " Second 'tween Decks, Angle, E or F	✓	✓	" " Gussets, spacing and scantling abaft 1 <sup>st</sup> frame	contin: .42	✓
" " Third " " "	✓	✓	" " Gussets, spacing and scantling forward 1 <sup>st</sup> frame	NONE	✓
Framing in Peaks, Angle, E or F	8 3 34	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	70 x .46	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 5 1/2	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	53 1/2 x .52	✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Deck framing F 8 x 32 x 50, 1 1/2" deep R.F. 10 x 14 x 60, 1 1/2" deep 4 side stringers as attd.	✓	Thickness of remainder in Holds	.44	✓
TRENGTHENING OF BOTTOM FORWARD. State Particulars	frames doubled as attd. add: intercostals (3' 6" apart) 3 strakes shell 6' 6" forward L.	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Boiler Room?	Yes	✓
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	8 3 1/2 34	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	✓	✓
Middle Line Keelson, on Floors, Angles, E or F			Spacing	3 1/2	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or F	8 3 35	✓
" " Foundation Plate on Floors			Spacing	3 1/2	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F		
Solid Floors, thickness and spacing	42 7 1/2 10 1/2	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line	32 1/2 x .42	✓	Spacing		
" " breadth and thickness at margin plate	32 1/2 form x .42 margin edge	✓	Forecastle Deck, Angle, E or F	8 3 40	✓
			Spacing	27 1/2 24	✓

DISCLOSED SECTION No. 823C

013651-013655-0321 1/2



## 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>	3			Stringer Plate, breadth and thickness in way of Bridge .....	✓		
„ in 'tween Deck Size and Spacing.....	3 1/4 x 4 7/8 solid at Hatch Sides			Thickness of Plating abreast Deck openings in way of Wells .....	✓	36	✓
„ „ „ „ „	2 1/2 solid on all beams @ CL			Thickness of Plating abreast Deck openings in way of Bridge .....	✓		
„ in Holds „ „	13 x .56 x 16 x .62			Thickness of Plating within line of openings...	✓	34	✓
„ „ „ „ „				If Sheathed, material and thickness .....		no sheathing	
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....	9 x 3 x 36 s/p 3 1/2			Stringer Plate, breadth and thickness.....			
Plating, thickness of .....	.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	68 x .63			If Plated, state thickness .....			
„ „ „ „ in way of Bridge	✓			<b>Poop Deck.</b>			
„ Angle in Wells .....	6 6 .57			Stringer Plate, breadth and thickness .....			
Thickness of Plating abreast Deck openings in way of Wells .....	.57			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...	.42			Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness .....	no sheathing			Plating, Sheathing, material and thickness ...			
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	70 x .41			Stringer Plate, breadth and thickness.....	✓	32	✓
				Plating, Sheathing, material and thickness ..		32	no sheathing

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	<i>52</i>	<i>.78</i>	<i>.72</i>	<i>.68</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>4</i>	<i>1"</i>	<i>4"</i>	<i>Lapped</i>	
„ DBLG. (if any)		<i>✓</i>											
BOTTOM PLATING, No. of Strakes ..... <i>H...</i>	<i>3 strakes</i>	<i>.60</i>	<i>.50</i>	<i>.52</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>	
BILGE PLATING, No. of Strakes ..... <i>H...</i>		<i>.60</i>	<i>.50</i>	<i>.52</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>	
SIDE PLATING, No. of Strakes ..... <i>H...</i>		<i>.60</i>	<i>.46</i>	<i>.46</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>	
UPPER DECK, Sheer-strake in Wells.....	<i>67</i>	<i>.69</i>	<i>.47</i>	<i>.46</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>4</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Lapped</i>	
UPPER DECK, Sheer-strake in Bridge ...	<i>✓</i>												
STRAKE BELOW Sheer-strake in Wells.....	<i>75</i>	<i>.60</i>	<i>.46</i>	<i>.46</i>	<i>/</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>	
STRAKE BELOW Sheer-strake in Bridge ...	<i>✓</i>												
POOP SIDE PLATING .....	<i>✓</i>												
BRIDGE SIDE PLATING ...	<i>✓</i>												
FOREC'TLE SIDE PLATING			<i>.40</i>			<i>single</i>	<i>3/4</i>	<i>3"</i>	<i>1</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *one*

„ Deck next below *six*

As per Rule *Seven*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓			
STEM .....	Roller Bar	10 x 2 1/2	✓	
STERN FRAME {	Propeller Post .....	Casting	as per	Strommen
	Rudder " .....	"	and plan	Verstedt
Speed of Vessel .....		10 1/2 knots.	✓	
RUDDER—Type .....		ordinary.		
" A x D .....	700	✓		
" Diam. of head .....	forging	11 1/2	✓	Smithsonian - match
" Mainpiece at top pintle	Casting	10 1/2 x 10 1/2	} Strommen Verstedt.	✓
" " heel ...	"	10 1/2 x 5 1/2		
" how constructed .....	Forged Cast	Stock frame.		
" double or single plates		• 40		
" coupling, vertical or horizontal .....		Horizontal		

## STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D,</b>	Upper tween decks	✓				
"	" Second "	✓				
"	" Third "	✓				
"	" Holds .....	47/26	15" x 4 x 4 1/2	41" 33 1/2	✓	✓
<b>COLLISION</b>	" (in Hold) .....	53/30	12 x 3 1/2 x 40 F	24 2 1/2	✓	W. J. Flat
			9 x 3 x 36 F	24 1/2		Semi Box Beam
			9 x 3 x 40 F	24"		Turned Rib
<b>AFTER PEAK</b>	" .....	1" - 26	6 x 3 x 30 F	24"	✓	W. J. Flat
			5 x 2 x 30 F	24"		Semi Box Beam

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth.*  
*Colvilles, Scottish Iron & Steel, Sharncliffe Iron Co, Carruth Iron Co, Dorman Long, Steel Coy. of Scotland*  
*Aphelby - Frodingham, Lanarkshire Steel Coy, Barry Steel Iron Co.*

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



EQUIPMENT No 38403												LETTER	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, LESS 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.				
95127	1st Bower ...	68	-	-	✓	-	-	52	12	2	-	68	Byer's type	S. Taylor & Sons	Netherthorpe 16.4.36
95189	2nd „ ...	67	2	24	✓	-	-	52	10	-	-	68	do	do	H. Green 21.5.36
95261	3rd „ ...	59	2	14	✓	-	-	48	2	3	7	58½	do	do	Netherthorpe 10.6.36
	Collective weight.	195	1	10								194½			J.A. Relf
95130	Stream .....	19	1	21	4	3	17	20	6	1	0	19	ordinary.	do	Netherthorpe 16.4.36

CHAIN CABLES.										HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size as supplied.		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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.		Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
88032	270	2	100 <sup>4</sup> / <sub>5</sub>	144 <sup>1</sup> / <sub>10</sub>	582.2.0		270	2	Jayco Standard	S. Taylor & Sons.	Netherthorpe 9.6.36	TOWLINE...	120	4 <sup>3</sup> / <sub>4</sub>	64.6	120	4 <sup>3</sup> / <sub>4</sub>
												HAWSERS & WARPS	2090	8"	manilla	2090	8"
												"	2090	7"	"	2090	7"
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Steering Gear, Steam *Donkin's* Emergency Steering Gear, *Steel wire led thro' sheaves & blocks to which.*  
 Boats 2 lifeboats 26 feet } wood Steering Chains, Size and Test ✓ Windlass *blankie Chapman - steam.*  
 2 dinghy 14 feet }  
 Ceiling in Holds, thickness and material *2 $\frac{1}{2}$ " W.P.* Cargo Battens, thickness, material and spacing *2" spacing 9"*  
 Cargo Hatchways.-(Upper Deck) *Steel plates, bulk heads & angles* Thickness of Hatches *3" W.P.*  
 Size of No. 1 Hatchway (Forward) *31'-6" x 22'* No. 2 *34'-1 $\frac{1}{2}$ " x 22'* No. 3 *36'-9" x 22'* No. 4 *34'-1 $\frac{1}{2}$ " x 22'* No. 5 *31'-6" x 22'* No. 6  
 Number of ~~Shifting Beams~~ *5 in Nos 1, 2, 4 & 5 and 6 in No. 3 Hatch.*

Builder's Signature *H. T. Cully*

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 ✓  
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Vegetable oil in deep tank* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in general conformity with the Society's Rules. The materials and workmanship are good. The double bottom, peaks and deep tanks have been tested as required by the Rules. The weather decks, w.s. bulkheads & tunnel have been hose tested with satisfactory results. The freeboards have been verified and cut in in the vessel's sides. The w.s. Doors have been tested with satisfactory results.

The bottom forward of  $\frac{1}{2}$  Length has been strengthened in accordance with the Rules.

Provision is made for the carriage of fuel oil in Nos 1, 2, 3, 4 & 6 double bottom tanks - flash point of oil being *150°F.* and for carriage of vegetable oil in the Deep Tank. Section 20 & 20A of the Rules complied with. Steering gear & windlass tried under working conditions & found satisfactory.

The amount of Entry Fee ..... £ 8 : 0 : 0 Fees applied for, *30.9.1936*  
 Special Survey Fee.... £ 321 : 13 : 0 Received by me, *2.11.1936*  
*Freeboard* 15 : 0 : 0  
 Travelling Expenses, if any £ : :  
 State whether the Vessel has been built under Special Survey *Yes.*  
 Certificate to be sent to *Glo.* Date of issue *25/11/36.*

Committee's Minute *GLASGOW 6 - OCT 1936*  
 Character assigned *100A1. with freeboards*  
*936*  
*Carrying Vegetable oil in Deep Tank.*  
*Lloyd's Assoc.*  
*+ LMC 9.36*  
*2 db - 120lb.*

I am of opinion the Vessel should be Classed *+100A1 with freeboard.*  
*Carrying Vegetable oil in deep tank*  
 Signature *R. Farley & Norman Johnson*  
 Surveyors to Lloyd's Register of Shipping.



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.)

Midship Section (as built) in advance.

- 1 Profile and Decks
- 2 Midship Section
- 3 Fore and Aft Framing
- 4 Aft End Framing
- 5, 6 Deep Tank (1) Deep Tank Hatch (1)
- 7 Pillars and Girders
- 8 Collision W.T. Bulkheads
- 9 Aft Peak Bulkhead
- 10 Tank Wing Brackets in No. 1 Hold
- 11 Pillars + Webs in Motor Room
- 12 Upper Deck Sheerway Openings
- 13 Hatch Webs
- 14 Sternframe and Rudder
- 15 Aux. Steering Gear
- 16 Quadrant + Tiller
- 17, 18 Tonnage Exempt Spaces (2)
- 19 Pumping Plan

It is requested that these plans be returned when done with as they are required in connection with the same Builders Nos. 659, 660 and 662.

Forging and casting certificates (4).

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

Cruiser Stern Wireless Direction Finder, Echo Sounding : oil engine.

Fitted for Oil Fuel 9/26 F.P. above 150°F.

Deep tank fitted for vegetable oil.

Carrying Vegetable Oil in Deep Tank

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

1st Bower	43.0.26	T.R.M.	No. 5524	6 <sup>th</sup> Dec' 1935
2nd "	42.3.1	R.L.	No. 4123	7 <sup>th</sup> Feb' 1936
3rd "	36.3.5	R.L.	No. 4023	29 <sup>th</sup> Nov' 1935

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 39.7 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks

Two Decks. Steel 1 Deck & Shelter Deck

Official No. 164093 ; Signal Letters G.Z.C.L

Is bottom of vessel coated with cement Cement in No. 5 D.B. Tank & Peaks only; if not give

particulars of composition *ft. cm.*

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	115-6"	384	Fore peak tank,	22-6 1/2	119
Double bottom, under Engines and Boilers,	42-0	179	After peak tank,	22-0 1/2	95
Double bottom, if under Engines only,	✓		Deep tank, aft,	31-6"	1284.
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	196-10 1/2	830	Other tanks, if fitted,		
Total length of Double bottom = 359-7 1/2"	Total capacity of double bottom	1393	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 6273

Date 23:12:35

Dates of Surveys held while building

1936 Jan: 23, 29 Feb: 3, 5, 12, 14, 17, 18, 19, 24, 25 Mar: 3, 9, 11, 13, 16, 17, 18, 19, 20, 23, 25  
26, 30, 31 Apr: 1, 3, 6, 7, 8, 9, 10, 14, 16, 17, 22, 23, 27, 28, 29 May: 1, 4, 5, 6, 11, 12, 13, 14, 19, 20  
21, 22, 25, 26, 27, 28, 29 June: 1, 2, 4, 5, 8, 12, 19, 23, 24, 26, 29, 30 July: 2, 3, 7, 10, 13, 14, 15  
16, 27, 28, 29, 30, 31 Aug: 6, 13, 14, 18, 25 Sep: 11, 16, 19, 23, 25

Total No. of Visits 92