

STEEL STEAMER or MOTORSHIP.

Received at London Office.

21 OCT 1931

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

17 - 10 - 31

Port of

Glasgow

No. 51840

Survey held at

Glasgow

Date First Survey

27th

May 1930

Last Survey

13th

Oct

1931

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

Steel Twin Screw Motor Vessel

Cliona (Machinery aft)

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

Full Scantling

State Type of Erections Poop, Bridge & etc

TONNAGE under Tonnage Deck

7611.98

CLASS +100A1 State if with freeboard

No

Built at

Glasgow

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

Carrying Petroleum in Bulk as condition of Class
Longitudinal framing at bottom and at deck
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

FEET.

L 455.0

Launched

14th May 1931

Yard No. 908

Total

8375.12

Breadth (greatest moulded)

B

61.75

Builders

Harland & Wolff Ltd.

Gross Tonnage

4947.94

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

D

34.08

Owners

Anglo-Saxon Petroleum Co. Ltd.

Register Tonnage

1st Longitudinal Number (L x D) =

15506

Managers

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

REGISTERED DIMENSIONS. FEET.

Length

456.6

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

13.35

Port of Registry

London

Breadth

62.0

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

26.375

If surveyed while building, afloat, and in dry dock

Depth

34.15

Draught Moulded

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.
MES, Spacing amidships	29		Bracket Floors, Frame	✓	
" from $\frac{3}{8}$ length to Collision bulkhead	29 @ 27		" " Reversed Frame	✓	
" in peaks	34		" " Vertical Struts	✓	
Longitudinal framing at bottom & deck			Centre Girder, depth and thickness amidships	66 x .57	
Frame Amidships, Angle, E or F	10 3 $\frac{1}{2}$.43		" " top Angles	3 $\frac{1}{2}$ 3 $\frac{1}{2}$.54	
" Extends up to	Upper Dk.		" " bottom Angles	4 4 .60	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 full length 2 1/2 length .50	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	.54	
Depth of Framing Girder	10		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	6 6 .46	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	✓	
" Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" Third " " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	✓	
Framing in Peaks, Angle or F	8 3 $\frac{1}{2}$.46		Tank Side Brackets, height above base line at toe of Frame and thickness	8-9 @ .44	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 4 7/8		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	54 to 66 x 1.0	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	As per approved plan		Thickness of remainder in Holds	1.0 x .52	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 Strake shell thickness and as per approved plan		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.	
DOUBLE BOTTOM (Forward)			BEAMS. 2nd	9 3 $\frac{1}{2}$.54	
Floors, Depth and thickness at mid-line in Holds	38 x .40		Uppermost Continuous Deck, amidships	9 3 $\frac{1}{2}$.38	
Height of Brackets at side above base line at toe of frame	6-2 to 6-9		" " in Wells, Angle, E or F	8 3 .36	
Middle Line Keelson, on Floors, Angles, E or F	Centre line		" " in way of Bridge, Angle, E or F	✓	
" " " Through Plate or Intercoastal Plate	bulkhead .40		Spacing	27 @ 24	
" " " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or F	7 3 .40	
" " " Flat Plate Keel Angles	4 4 .52		Spacing	27 @ 24	
Side Keelsons, No. each side	Two		Third Deck, amidships, Angle, E or F	✓	
" thickness of Intercoastal Plate	.42		Spacing	✓	
" Angles	6 6 .44		Fourth Deck, amidships, Angle, E or F	✓	
DOUBLE BOTTOM (Engine Room)			Spacing	8 3 .45	
Solid Floors, thickness and spacing	.50 @ 29 $\frac{1}{2}$		Poop Deck, Angle, E or F	8 3 .36	
" " Are Frame and Reversed Frame joggled?	Yes.		Spacing	29 $\frac{1}{2}$, 29 @ 24	
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, E or F	6 3 .40	
" " breadth and thickness at margin plate	✓		Spacing	32 $\frac{1}{2}$ @ 29	
			Forecastle Deck, Angle, E or F	9 3 $\frac{1}{2}$.52	
			Spacing	8 3 .36	

EQUIPMENT No. 45033

LETTER CT

ANCHORS.

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.
33718	1st Bower	Cwts. 84 qrs. 2 lbs. 7	Cwts. 61 qrs. 0 lbs. 0	Tons. 61 qrs. 0 lbs. 0	Cwts. 77	Byers Improved Stockless	✓	Swanland 14 May '31 J.H. Butler
33702	2nd "	77 0 0	57 5 0	57 5 0	77	Do	✓	Do 18 April '31 Do
33736	3rd "	65 3 21	51 10 0	51 10 0	65 3	Do	✓	Do 30 May '31 Do
	Collective weight.	227 2 0			219 3			
46172	Stream	21 3 21	5 3 7	22 7 2 0	22 Cwts Ex Stock	Rodgers 2 W. Iron		Cardley Heath 31 March 5 C Paul

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.
	Length. Diam.	Statutory. Break-ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Length. Cir.	Length. Cir.
	Fathoms. Ins.	Tons. Tons.	Cwts. qrs. lbs. Cwts.	Fathoms. Ins.					Fathoms. Ins.	Tons. Tons.	Fathoms. Ins.
45787A	300 2 7/16	106 2/10 149 7/8	864 - 2-0	300 2 7/16	Steel Link	Westwood Ben	Cardley Heath 31 March 5 C Paul	TOWLINE	120 5 3/4	9 1/2	120 5 3/4
46058	2 7/16	106 2/10 149 7/8	29 - 1-0			Do	Do 31 July '31	HAWERS & WARPS	20 100 2 3/4	15 4/20	20 100 2 3/4
	18+6		893 - 3-0 890 1/4				J.C. Paul		20 100 2 3/4	15 4/20	20 100 2 3/4
Iron Stream Chain or Steel Wire	120 5"	70 19/20		120 5"							

Steering Gear, Steam by Nautia 10 x 10

Steering Gear, Hand

Blocks & Tackle

Boats 4 @ 24'0" x 7'6" x 3'0" board Steering Chains, Size and Test

Windlass by Cummings Patent 12 x 13

Ceiling in Holds, thickness and material

Cargo Battens, thickness, material and spacing

Cargo Hatchways. (Upper Deck)

Steel plates and angles.

Thickness of Hatches Steel 50

Size of No. 1 Hatchway (Forward) 9'0" x 12'0" No. 2

No. 3

No. 4

No. 5

No. 6

Number of Shifting Beams and/or Fore and Afters

None

plate Core stiffeners by B. Angles. 6 x 3 x 40 @ 3'0" apart

For HARLAND AND WOLFF, LIMITED.

Builder's Signature

Govan Sec

GENERAL DECLARATION. It should be stated (a) whether the vessel 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 ☒ 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 conformity with the Society's rules for the class contemplated.

The materials and workmanship are good.

The bulkheads, decks, double bottom, plates, oil cargo tanks, oil fuel bunkers for r.e.p. and Cofferdams have been tested in accordance with the rule requirements, the feet have been verified and the marks cut in on the vessel's sides. The steering gear and windlass tried with satisfactory results. Oil fuel F.P. above 150°F is carried in deep tank at after end, for deep tank, and double bottom aft. and Section 20 of the rules complied with.

The approved plans as noted on back of report are forwarded herewith.

The amount of Entry Fee £ 11 : 0 : 0
Special Survey Fee.... £ 614 : 1 : 3
Travelling Expenses, if any £ 14 : 0 : 0

Fees applied for,

10. 10. 1931

Received by me,

15. 10. 1931

I am of opinion the Vessel should be Classed + 100 A1

Carrying Petroleum in Bulk
Longitudinal Framing at Bottom and at Deck

State whether the Vessel has been built under Special Survey

Yes.

Signature

Norman Dobson

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

5/11/31

Committee's Minute GLASGOW 20 OCT 1931

Character assigned - 100 A1

1031.

Carrying Petroleum in Bulk

Lloyd's A+C.P.

+ L.M.C. 1031.

2 DB-150lb.

Longitudinal Framing at Bottom and at Deck.



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Lloyd's Register
Foundation0018
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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.)

List of plans herewith—

Midship Section as built forwarded in advance.

Midship Section

Profile and decks.

Stem frame and Rudder

Fore end framing and fore peak bulkhead

Motor Seating

After end framing

Longitudinal bulkheads.

Fore end framing

Scantlings in way of forward oil tanks (Cancelled)

Bridge house and deck plating

Gastight hatches to forward hold.

W. J. Doors.

Pillars & Girders in way of machinery Casings

Poop front bulkhead

Cast steel boss arms.

Hatches to Cargo oil tanks

Pumping arrangements

Rivetting list

Forward tanks (showing all arrangements of stringers parallel to base line in Tanks 1-5).

Alterations to Keel etc

Machinery Casings

Plan showing proposed modification to bracket on Frame 66A

Transverse Bulkhead

Arrangements in way of After end.

Topping and Castings Certificate of. Stem post, Rudder, propeller bracket and Quadrant & Teller.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	55 - 0 - 21	K.H.	No 8480	27 th Aug 1930
	2nd "	52 - 3 - 0	K.H.	No 8809	28 th Oct 1930
	3rd "	41 - 3 - 7	A.B.	No 6398	30 th April 1931

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106.88 ft., R.Q.D. ✓ ft., Bridge 33.54 ft., Forecastle 42 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) 1st Dk (Stl) 2nd Dk (Stl) clear of Cargo tanks

Official No. 162646 : Signal Letters Is bottom of Vessel coated with cement Peaks & Fore Tanks not give particulars of composition Rk Cam.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, <i>Machinery Space.</i>	<i>71.25</i>	<i>39</i>	Fore peak tank,	<i>25.76</i>	<i>239</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>18.3</i>	<i>93</i>
Double bottom, if under Engines only,			Deep tank, aft, <i>Cofferdam</i>	<i>4.0</i>	<i>238</i>
Double bottom, if under Boilers only,			Deep tank, forward,	<i>31.5</i>	<i>394</i>
Double bottom, forward,			Other tanks, if fitted, <i>Two Cofferdam</i>	<i>4.0</i>	<i>233</i>
Total capacity of double bottom			(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. 6098

Date 17. 4. 30

Dates of Surveys held while building

1930 May: 27 June: 3. 6. 11. 17. 19. 23 July: 1. 4. 7. 9. 15. 30 Aug: 1. 5. 6. 11. 12. 15. 21. 25. 26 Sep: 2. 4. 5. 8. 9. 15. 16. 19. 23. 24. 30 Oct: 1. 6. 7. 8. 13. 14. 16. 20. 22. 23. 24. 27. 28. 29. 30. 31 Nov: 3. 4. 5. 7. 11. 12. 14. 17. 19. 21. 24. 25. 26. 27. 28 Dec: 4. 5. 9. 11. 12. 15. 17. 19. 26. 29. 1931 Jan: 9. 19. 23. 26. 29 Feb: 2. 3. 6. 11 Mar: 2. 4. 6. 10. 12. 13. 16. 18. 19. 20. 21. 24. 26. 27. 31 Apr: 3. 8. 16. 20. 21. 22 May: 1. 14. 26 June: 4. 9. 16. 17. 29 July: 7. 8. 9. 10. 14. 28 30 Aug: 3. 5. 14. 20. 24. 27 Sep: 1. 4. 14 Total No. of Visits 133
Sep: 17. 18. 23 Oct: 6. 7. 13

M/V "CLIONA"

GLASGOW REPORT No. 51840

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.										RIVETING.									
AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.			
In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Diam.	Speng.	Inches.	Number.	Diameter.			
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Inches.			
of L, T or C																			
In Bridge 'tween Decks ...																			
from Uppermost Continuous from keel No. 1																			
15 x 4 x 4		53/62	15 x 4 x 4		53/62	15 x 4 x 4		53/62	15 x 4 x 4		53/62	7/8	5 1/4	3" for 10 Rivets	14	7/8			
" 2			"			"			"			"		back side	"	"			
" 3			"			"			"			"		of Transverse	"	"			
" 4			"			"			"			"		bulkheads.	"	"			
" 5			"			"			"			"			"	"			
" 6			"			"			"			"			"	"			
" 7			"			"			"			"			"	"			
" 8	(Centre girder 52 x .42 interval, top angle 6 x 3 1/2 x .62.																		
" 9	Bottom angle double 4 x 4 x .50																		
" 10																			
" 11																			
" 12																			
" 13																			
" 14																			
" 15																			
" 16																			
Amidships			31	At Ends			31	Amidships			31	At Ends							
Tank Top Longitudinals																			
Bottom																			
of Longitudinals																			
At Ends...																			
Transverses.																			
Depth and Thickness																			
Face Angles																			
Lugs to Shell*																			
Depth and Thickness			32	x	.44	32	x	.44	32	x	.44	32	x	.44					
Face Angles			6	3 1/2	.44	6	3 1/2	.44	6	3 1/2	.44	6	3 1/2	.44	7/8	4			
Lugs to Shell*			6	6	.44	6	6	.44	6	6	.44	6	6	.44					
Depth and Thickness			52	x	.46	52	x	.46	52	x	.46	52	x	.46					
Face Angles			6	4	.64	6	4	.64	6	4	.64	6	4	.64					
Lugs to Shell*			6	6	.46	6	6	.46	6	6	.46	6	6	.46	7/8	4			
" " Back Bars			3 1/2	3 1/2	.44	3 1/2	3 1/2	.44	3 1/2	3 1/2	.44	3 1/2	3 1/2	.44					
Brackets					.46			.46			.46			.46					
g of Transverse Frames			9'-8"			9'-8"			9'-8"			9'-8"							
State if joggled or liners.																			
Longitudinal																			
as of																			
or																			
Bridge Deck																			
Upper																			
Second																			
Third																			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

0018 3/2

Midship Section as built forwarded in advance.
Midship Section

21 OCT



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Lloyd's Register
Foundation

Date

Dates
held v

Feb: 2 3 6 11 Mar: 2 4 6 10 12 13 16 18 19 20 21 24 26 27 31 Apr: 3 8 16 20 21 22 May: 14 25
June: 4 9 16 17 29 July: 7 8 9 10 14 28 30 Aug: 3 5 14 20 24 27 Sep: 1 4 14 Total No. of Visits 133
Oct: 17 18 23 Oct: 6 7 13