

STEEL STEAMER or MOTORSHIP.

OCT -6 1937

Received at London Office

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

Port of *Liverpool*No. *109646*Survey held at *Birkenhead*Date First Survey *3rd September*Last Survey *17th September 1937*On the *Steel Single Screw "ALDERSDALE" Mch. Aff.*State Type *Full hulling 100A1 Carrying petroleum in Bulk. Longitudinal Framing at bottom and at deck.*

State Type of Erections

TONNAGE under Tonnage Deck... *7488.59*CLASS *bottom and at deck*

FEET.

Built at *Birkenhead*

Do. 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 464.2*Launched *7/7/37*Yard No. *1025*

Total

Breadth (greatest moulded) *B 61.75*Builders *Cannell, Laird & Co.*Gross Tonnage *8401.97*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 *My Lords Commissioners of the Admiralty.*Register Tonnage *5009.41*1st Longitudinal Number (L x D) = *15,820*Managers *✓*

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

REGISTERED DIMENSIONS.

FEET.

Length *466.9*Framing Depth "d," at middle of length. See Sec. 3 (1d) *29.58*Residence *London*Breadth *62.0*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.6*Port of Registry *London*Depth *34.0*Do. Long Bridge to top of keel *✓*If surveyed while building afloat, or in dry dock *yes*Draught Moulded *27' 4 1/2"*

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>in Tanks</i>	<i>30 1/2</i>	<i>✓</i>	Bracket Floors, Frame	<i>✓</i>	<i>✓</i>
" " from 3/4 length to Collision bulkhead <i>Plan 7. Backs</i>	<i>28 1/2</i>	<i>✓</i>	" " Reversed Frame	<i>✓</i>	<i>✓</i>
" " in peaks	<i>27</i>	<i>✓</i>	" " Vertical Struts	<i>✓</i>	<i>✓</i>
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>66 x 50</i>	<i>✓</i>
Frame Amidships, Angle, E or C	<i>9 3 1/2 40</i>	<i>✓</i>	" " top Angles <i>double</i>	<i>3 1/2 3 1/2 50</i>	<i>✓</i>
" " Extends up to <i>upper deck</i>	<i>✓</i>	<i>✓</i>	" " bottom Angles <i>double</i>	<i>5 5 50</i>	<i>✓</i>
<i>Web</i>			Side Girders, No. each side and thickness	<i>2 1625 inner 170 outer 12 42</i>	<i>✓</i>
<i>Reversed Frame Amidships, Angle</i>	<i>6 3 1/2 44</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness	<i>✓</i>	<i>✓</i>
<i>at centre of tanks Nos. 3 & 6</i>	<i>70 3/4 x 40</i>	<i>✓</i>	" " Vertical Angle to Tank side	<i>✓</i>	<i>✓</i>
" " Extends up to <i>upper deck</i>	<i>✓</i>	<i>✓</i>	Bracket abaft 1/4 len. from stem	<i>✓</i>	<i>✓</i>
<i>Frames in S. Rm. 13 ft. to poop and upper bulkhead</i>	<i>10 3 1/2 40 9 1/2 x 3 1/2 x 44</i>	<i>✓</i>	" " Vertical Angle to Tank side	<i>✓</i>	<i>✓</i>
<i>Depth of Framing Girder</i>	<i>30 1/2</i>	<i>✓</i>	Bracket forward 1/4 len. from stem	<i>✓</i>	<i>✓</i>
<i>Intermediate frames 0.9.</i>	<i>4 1/2 3 40</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>✓</i>	<i>✓</i>
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	<i>✓</i>	<i>✓</i>	" " Gussets, spacing and scantling forward 1/4 len. from stem	<i>✓</i>	<i>✓</i>
" " Second 'tween Decks, Angle, E or C	<i>✓</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>✓</i>	<i>✓</i>
" " Third " " "	<i>✓</i>	<i>✓</i>	INNER BOTTOM PLATING.		
Framing in Peaks, Angle or C	<i>8 3 1/2 46</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake	<i>Tank top plating under rib engines in accordance with appd. plan.</i>	<i>✓</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 4 7/8 1 5 1/2</i>	<i>✓</i>	Thickness of remainder in Holds	<i>✓</i>	<i>✓</i>
State if Frame Joggled	<i>yes</i>	<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>✓</i>	<i>✓</i>
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>3 side stringers in S. Rm. 13 ft. to poop and upper bulkhead. 1-0. T. Flat from Peak Bulk. to Collision bulk. 3 stringers of bottom plating carried forward to Rule position of Collision Bulk. as per Rule, & deep floor angles.</i>	<i>✓</i>	BEAMS.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>3 stringers of bottom plating carried forward to Rule position of Collision Bulk. as per Rule, & deep floor angles.</i>	<i>✓</i>	<i>in way of Poop S. Rm.</i>	<i>8 3 1/2 40 @ 30"</i>	<i>✓</i>
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	<i>7 3 1/2 42 @ 23"</i>	<i>✓</i>
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>	<i>✓</i>	" " in way of Bridge, Angle, E or C	<i>✓</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, E or C	<i>✓</i>	<i>✓</i>	<i>168 ft. to stem Bulk.</i>	<i>8 3 1/2 46 @ 27" and 24" apart</i>	<i>✓</i>
" " Through Plate or Intercoastal Plate	<i>✓</i>	<i>✓</i>	Second Deck, amidships, Angle, E or C	<i>✓</i>	<i>✓</i>
" " Foundation Plate on Floors	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
" " Flat Plate Keel Angles	<i>✓</i>	<i>✓</i>	Third Deck, amidships, Angle, E or C	<i>✓</i>	<i>✓</i>
Side Keelsons, No. each side	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
" " thickness of Intercoastal Plate	<i>✓</i>	<i>✓</i>	Fourth Deck, amidships, Angle, E or C	<i>✓</i>	<i>✓</i>
" " Angles	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
DOUBLE BOTTOM. in way of S. Rm. aft between girders	<i>625 42 30</i>	<i>✓</i>	Poop Deck, Angle, E or C	<i>8 3 40 7 3 38 30 and 25</i>	<i>✓</i>
Solid Floors, thickness and spacing	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
" " Are Frame and Reversed Frame joggled?	<i>yes</i>	<i>✓</i>	Bridge Deck, Angle, E or C	<i>6 3 40 30 ft</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
" " breadth and thickness at margin plate	<i>✓</i>	<i>✓</i>	Forecastle Deck, Angle, E or C	<i>8 3 43 27 and 24</i>	<i>✓</i>
			Spacing	<i>✓</i>	<i>✓</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.....	10x3 1/2 x 3 1/2 x 59 ✓		Stringer Plate, breadth and thickness in way of Bridge	✓	✓
„ in 'tween Decks, Size and Spacing	Double channel pillars at every transverse floor on E in centre oil cargo tanks ✓		Thickness of Plating abreast Deck openings in way of Wells	✓	✓
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge	✓	✓
„ in Holds „ „			Thickness of Plating within line of openings..	✓	✓
„ „ „ „ „			If Sheathed, material and thickness	✓	✓
Longitudinal Centre Line Bulkheads 1P+1S			Third Deck.		
Stiffeners and Spacing.....	9 8 4089 ✓ ✓		Stringer Plate, breadth and thickness.....	✓	✓
Plating, thickness of	308 151 and 140 ✓ ✓		If Plated, state thickness.....	✓	✓
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	✓
Stringer Plate, breadth and thickness in Wells	75 x 82 ✓ 10 ✓		If Plated, state thickness	✓	✓
„ „ „ „ in way of Bridge	✓ ✓		Poop Deck.		
„ Angle in Wells way of oil tanks	7 x 7 x 72 ✓ ✓		Stringer Plate, breadth and thickness	38 varying width ✓	✓
Thickness of Plating abreast Deck openings in way of Wells	142 ✓ ✓		Plating, Sheathing, material and thickness ..	36 34 5 x 1 1/2 Deck ✓	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓ ✓		Bridge Deck.		
Thickness of Plating within line of openings...	58 ✓ ✓		Stringer Plate, breadth and thickness.....	66 38 ✓	✓
If Sheathed, material and thickness	✓ ✓		Plating, Sheathing, material and thickness ..	28 5 x 1 1/2 Deck ✓	✓
Second Deck. 168 to stem			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	36 32 ✓		Stringer Plate, breadth and thickness.....	38 varying width ✓	✓
			Plating, Sheathing, material and thickness ..	30 5 x 1 1/2 Deck ✓	✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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	53	99	77	77	✓	D.R.	1 1/2	4 1/2	5, 4 overlaps	1 1/2	5	Lapped	
„ DBLG. (if any)	✓	✓	✓	✓	✓	✓	✓	✓	3R strake at ends	✓	✓	Lapped and strapped	
BOTTOM PLATING, No. of of Strakes 5-12 R.E.	65 1/4	65	76 1/2	51	✓	D.R.	7/8	3 1/2	4R	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 1-.....	72	65	52	51	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 2-9 R.E.	84	63	52	48	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	78	104	53	48	✓	"	1 1/2	4	6R increased to Bureau requirements	1 1/2	5 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...													
STRAKE BELOW Sheer- strake in Wells.....	72	81	53	48	Bureau's increase on shell forward '05 on all plates attached to dem.	"	1	3 1/2	4R	1	4	"	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING		40				S.R.	3/4	2 1/2	2R	3/4	2 1/2	"	
BRIDGE SIDE PLATING ...		44				"	"	"	"	"	"	"	
FORE'C'TLE SIDE PLATING		44				"	"	"	"	"	"	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)	17 ✓	✓	✓	✓	✓
„ Deck next below	✓				
As per Rule	7 ✓				
KEEL, Bar		✓	✓	✓	✓
STEM		13w	10 1/2 x 2 7/8	✓ ✓	✓
STERN (Propeller Post)		Open Head	20	Walsingham	✓

[illegible]

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Basic Open Hearth Process.*
Scottish Iron & Steel Co. Ltd., Guest Keen Baldwins Iron & Steel Co. Ltd., Dorman Long Co. Ltd.,
Colvilles Ltd., Skinningrove Iron Co. Consett Iron Works.
 Has the Steel been tested as required by the Rules? *Yes.*

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

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.		Number.	Diameter.
Framing of L, L or C																	
Frames in Bridge 'tween Decks ...																		
Frames from Uppermost Continuous Deck	No. 1																	
	" 2																	
	" 3																	
	" 4																	
	" 5																	
	" 6																	
	" 7																	
	" 8																	
	" 9																	
	" 10																	
	" 11																	
	" 12																	
	" 13																	
	" 14																	
	" 15																	
	" 16																	
	Amidships																	
	At Ends																	
Tank Top Longitudinals			✓			✓			✓			✓						
Bottom		17x4x4x	48/68		17x4x4x	48/68			✓			✓		7/8	5/4			
Longitudinals	Amidships	30			with back bars 4x3 1/2 x 44			✓			✓							
	At Ends...	30			30													
Transverses.																		
Depth and Thickness		✓						✓										
Face Angles		✓						✓										
Lugs to Shell*		✓						✓										
Depth and Thickness		✓						✓										
Face Angles		✓						✓										
Lugs to Shell*		✓						✓										
Depth and Thickness		Central Tanks 54x48			wing tanks 36x44			✓										
Face Angles		6x3 1/2 x 62 A.P. double 9x3 1/2 x 58 B.A. ✓			single 3 1/2 x 3 1/2 x 44 all tanks.			✓										
Lugs to Shell		6x6x48			6x6x44			✓										
Back Bars		3 1/2 x 3 1/2 x 48			nil			✓										
Brackets		48			44			✓										
Spacing of Transverse Frames		10-0 1/2			11-10 1/2			✓										
		long tanks			for central tanks													
		11-10 1/2																
Longitudinal Beams of L, L or C																		
Bridge Deck		✓																
Upper		8x3 1/2 x 42			8x3 1/2 x 42 L.T.													
Second		8x3 1/2 x 49			8x3 1/2 x 49 S.T.													
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.

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.)

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

Direction Finder, Echo sounding device, Cruiser Stern, Machinery Aft.

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

1st Bower 54 cwt. 390. 14 lbs., W. H., N^o. 6020, 27/11/36.
2nd " 50 " 1 " 14 " , J. F. B., N^o. 2219, 25/1/37.
3rd " 40 " 3 " 26 " , R. L., N^o. 5205, 20/11/36.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102.7 ft., R.Q.D. ft., Bridge 35.15 ft., Forecastle 57.58 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 1st Dk (steel), 2nd Dk. clear of cargo tanks.

Official No. 165572

Signal Letters

Is bottom of vessel coated with cement

Cement fillets in way of cargo tanks. Cement in S. Rm. if not give tanks, and 74 B. Peak tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	26.0	251.0
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	19.0	250.0
Double bottom, if under Engines only,	75.0	249.0	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	32.0	422.0
Double bottom, forward,	✓	✓	Other tanks, if fitted,	✓	✓
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 (See Circular No. 1284).

Order for Special Survey No. 1307

Date 18/9/36

Dates of Surveys held while building

1936 Sept 3, 7, 11, 15, 18, 22, Oct 1, 7, 8, 28 Nov 5, 10, 13 Dec 3, 5, 31. 1937 Jan 5, 8, 12, 14, 18, 25, 28 Feb 2, 9, 5, 8, 10, 11, 12, 18, 23, 25 Mar 1, 4, 9, 12, 17, 19, 24 Apr 1, 6, 12, 15, 20, 22, 26, 27 May 4, 5, 7, 10, 11, 13, 14, 18, 18, 20, 21, 24, 26, 26, 27, 29, 29, 31 June 2, 3, 3, 4, 4, 5, 7, 7, 9, 10, 11, 15, 16, 18, 22, 23, 29 July 1, 5, 6, 7, 12, 13, 21, 23, 26, 28, 29 Aug 19, 23, 24, 26, 27, 30 Sept 1, 6, 8, 9, 9, 10, 10, 13, 14, 16, 17

Total No. of Visits 111