

STEEL STEAMER or MOTORSHIP.

Received at London Office JAN 6 1938

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

5 : 1 : 38

Port of *Glasgow*No. *59141*

Survey held at

Glasgow

Date First Survey

26th March 1937

Last Survey

28th December

1937

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

*Single Screw Motor Vessel**BRITISH SECURITY (Machinery aft)*

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

Full Scantling

State Type of Erections

Prop. Bridge & Jib

TONNAGE under Tonnage Deck...

*7454.44*CLASS *H 100A1*

State if with freeboard

No

Built at

Glasgow

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 I.W.L. See Sec. 3 (1a)

L 463.0

Launched

*4th November 1937*Yard No. *9749*

Total

Breadth (greatest moulded)

B 61.5

Builders

Harland & Wolff Ltd

Gross Tonnage

8470.35

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

D 34.0

Owners

British Tanker Co Ltd

Net Tonnage

*4978.70*1st Longitudinal Number (L x D) = *157.42*

Managers

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

2nd Numeral L x (B + D) = *44216.51*

Residence

STERED DIMENSIONS. FEET.

467.85

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

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

13.62

Port of Registry

*London**61.75*

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

33.85

Draught Moulded

27' 3 3/8

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.
<i>Longitudinal framing</i>					Bracket Floors, Frame				
IS, Spacing amidships	27	5	30	✓	" " Reversed Frame				
" from 1/2 length to Collision bulkhead	27			✓	" " Vertical Struts				
" in peaks	24			✓	Centre Girder, depth and thickness amidships	6 1/4	5	5 1/4	✓
FRAMING.					" " top Angles	3 1/2	3 1/2	4 1/8	✓
Amidships, Angle, E or F	9	3 1/2	40	✓	" " bottom Angles	5	5	5 1/4	✓
" Extends up to	<i>Upper Dk</i>			✓	Side Girders, No. each side and thickness	2	2	7 1/2	✓
Reversed Frame Amidships, Angle				✓	Margin Plate depth (excl. of flange) and thickness			5 1/4	✓
" Extends up to				✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6	6	4 1/2	✓
th of Framing Girder	9			✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem				✓
Plating in Uppermost Continuous 'tween Decks, Angle, E or F				✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem				✓
" Second 'tween Decks, Angle, E or F				✓	" " Gussets, spacing and scantling forward 1/2 len. from stem				✓
" Third " " " "				✓	Tank Side Brackets, height above base line at toe of Frame and thickness	8-7		4 1/2	✓
Plating in Peaks, Angle, E or F	8	3 1/2	47	✓	INNER BOTTOM PLATING, Engine Room				
Number and Spacing of Rivets through Frame and Shell Plating amidships	7/8	2	5 1/4	✓	Breadth and thickness of Middle Line Strake		1 1/8		✓
Is Frame Joggled	<i>Yes</i>			✓	Thickness of remainder in Holds		5 1/2	5 1/4	✓
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	<i>As per approved plan</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>		✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>As per approved plan</i>			✓	BEAMS.				
DOUBLE BOTTOM. Two Deep Tank					Uppermost Continuous Deck, amidships	10	3 1/2	40	✓
Floors, Depth and thickness at mid-line in Holds	48	x	38	✓	" " in Wells, Angle, E or F	8	3 1/2	35	✓
Height of Brackets at side above base line at toe of frame	7 1/2			✓	" " in way of Bridge, Angle, E or F	7	3	35	✓
Middle Line Keelson, on Floors, Angles, E or F	40		46	✓	Spacing	27	5	2 1/2	✓
" " Through Plate or Intercoastal Plate				✓	Second Deck, amidships, Angle, E or F	8	3	35	✓
" " Foundation Plate on Floors				✓	Spacing	30	5	2 1/4	✓
" " Flat Plate Keel Angles	4	4	53	✓	Third Deck, amidships, Angle, E or F	7	3	42	✓
Side Keelsons, No. each side	<i>Two</i>			✓	Spacing	27	6	2 1/2	✓
" " thickness of Intercoastal Plate	6	6	46	✓	Fourth Deck, amidships, Angle, E or F				✓
" " Angles	12	x	46	✓	Spacing	8	3	35	✓
DOUBLE BOTTOM. Engine Room					Poop Deck, Angle, E or F	8	3	44	✓
Solid Floors, thickness and spacing	42	5	46	✓	Spacing	24	6	30	✓
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>			✓	Bridge Deck, Angle, E or F	7	3	42	✓
Bracket Floors, breadth and thickness at middle line				✓	Spacing	30			✓
" " breadth and thickness at margin plate				✓	Forecastle Deck, Angle, E or F	7	3	39	✓
					Spacing	27	5	2 1/4	✓

W1140-0188 1/3

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.....	✓				<i>3rd</i> Stringer Plate, breadth and thickness in way of Bridge	49	x	.36	37 x 36 ✓
„ in 'tween Decks, Size and Spacing.....	✓				Thickness of Plating abreast Deck openings in way of Wells <i>off</i> .....			.40	✓
„ „ „ „ „	✓				Thickness of Plating abreast Deck openings in way of Bridge <i>2nd</i> .....			.34	✓
„ in Holds „ „ <i>IL</i> 10 x 50 x 32 32 x 52 ✓					Thickness of Plating within line of openings...	.32	1/16	.40	✓
„ „ „ „ „ <i>at each transverse in Centre tank ✓</i>					If Sheathed, material and thickness			✓	
<i>Wing</i> Centre-Line Bulkheads					Third Deck.				
Stiffeners and Spacing..... <i>@ 30"</i>	9	3	.40	✓	Stringer Plate, breadth and thickness.....			✓	
Plating, thickness of .....	.51	-	.40	✓	If Plated, state thickness.....			✓	
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....			✓	
Stringer Plate, breadth and thickness in Wells	84	x	.82	72 x 72 ✓	If Plated, state thickness			✓	
„ „ „ „ in way of Bridge <i>Loop front</i>	84	x	.86	✓	Poop Deck.				
„ Angle in Wells	7	7	.72	✓	Stringer Plate, breadth and thickness	56-58	=	.58	✓
Thickness of Plating abreast Deck openings in way of Wells .....	.76	.	.72	✓	<i>Plank</i> Plating / Sheathing, material and thickness ..	30-36	Plank 2 1/2"	✓	
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.....	69	x	.40	✓
If Sheathed, material and thickness	✓				Plating, Sheathing, material and thickness ..	.30	Plank 2 1/2" Exp.	✓	
Second Deck. <i>off</i>					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	60	x	.40	✓	Stringer Plate, breadth and thickness.....	42	x	.38	36 x 38 ✓
					Plating, Sheathing, material and thickness ..	.30	Plank 2 1/2"	✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES <i>No</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing or. to or.		Diam.	Spacing or. to or.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	<i>53</i>	<i>.99</i> ✓	<i>.77</i> ✓	<i>.77</i> ✓		<i>Double</i>	<i>1</i>	<i>4</i> ✓	<i>Five</i>	<i>1/8</i>	<i>5</i> ✓	<i>Lapped</i>	
„ DBLG. (if any)	<i>30</i>	<i>.65</i> ✓	<i>.54</i> ✓	<i>.51</i> ✓	<i>.65 - .51</i> ✓								
BOTTOM PLATING, No. of Strakes <i>Five</i>	<i>20</i>	<i>.66</i> ✓	<i>.53</i> ✓	<i>.54</i> ✓	<i>.66 - .51</i> ✓	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i> ✓	<i>Four</i>	<i>7/8</i>	<i>3 1/2</i> ✓	<i>Lapped</i>	
BILGE PLATING, No. of Strakes <i>One</i>		<i>.65</i> ✓	<i>.53</i> ✓	<i>.54</i> ✓	<i>.65 - .51</i> ✓	"	"	✓	"	"	✓	"	
SIDE PLATING, No. of Strakes <i>Three</i>		<i>.63</i> ✓	<i>.53</i> ✓	<i>.48</i> ✓	<i>.63 - .48</i> ✓	"	"	✓	"	"	✓	"	
UPPER DECK, Sheer- strake in Wells.....	<i>69 1/2</i>	<i>1.06</i> ✓	<i>.57</i> ✓	<i>.57</i> ✓	<i>.65 - .96 - .48</i> ✓	"	<i>1 1/8</i>	<i>4 1/2</i> ✓	<i>Five to Six - half</i>	<i>1/8</i>	<i>5</i> ✓	"	
UPPER DECK, Sheer- strake in Bridge ...		<i>1.20</i> ✓				"	"	"	<i>Six - half</i>	"	"	"	
STRAKE BELOW Sheer- strake in Wells.....	<i>75</i>	<i>.80</i> ✓	<i>.53</i> ✓	<i>.48</i> ✓	<i>74 - .80 - .48</i> ✓	"	<i>1</i>	<i>4</i> ✓	<i>Four</i>	<i>1</i>	<i>4</i> ✓	"	
STRAKE BELOW Sheer- strake in Bridge ...		✓				✓							
POOP SIDE PLATING				<i>.50 - .40</i> ✓		<i>Single</i>	<i>3/4</i>	<i>3</i> ✓	<i>Two</i>	<i>3/4</i>	<i>2 3/8</i> ✓	<i>Lapped</i>	
BRIDGE SIDE PLATING ...		<i>.44</i> ✓				<i>3 Rows lower edge</i>	<i>1 1/8</i>	<i>5 1/2</i> ✓					
						<i>Single</i>	<i>3/4</i>	<i>3</i> ✓	<i>One</i>	"	"	✓	
							<i>3/4</i>	<i>3</i>		"	"	✓	
FOREC'TLE SIDE PLATING			<i>.44</i>	<i>1</i>			<i>7/8</i>	<i>3 1/2</i> ✓	"	"	"	✓	

WATERTIGHT BULKHEADS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
KEEL, Bar		✓		
STEM	M-5.	10 2 x 2 1/2	✓	
STERN FRAME {	Propeller Post	F.1.5.	As approved	Williams Forge ✓
	Rudder "	F.1.5.	11 x 8 1/2	✓
Speed of Vessel		11 1/2 Knots	✓	
RUDDER—Type		Cast patent	✓	
" A x D		As approved	✓	
" Diam. of head	F.1.5.	14 3/16	✓	Williams Forge ✓
" Mainpiece at top pintle				
" " heel ...				
" how constructed		Plates & angles	As approved	
" double or single plate		Double	60	✓
" coupling, vertical or		Horizontal		✓
" horizontal				

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks			✓			
"	" Second "		✓			
"	" Third "		✓			
"	" Holds	✓ 51 - 40	9 x 3½ x 40 ✓	✓ 30 - 30½	3 Stringers ✓	
COLLISION	" (in Hold)	✓ 53 - 30	10 x 3½ x 53 ✓			
		✓ 53 - 30	6 8 x 3½ x 52 ✓	24 ✓	3 Stringers & Hat ✓	
AFTER PEAK	" "	✓ 51 1/8 x 30	8 x 3 x 50 ✓			
		✓ 51 1/8 x 30	6 6 x 3 x 48 ✓	24 ✓	main deck & Hat ✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth process

Has the Steel been tested as required by the Rules? No - ☒

Lloyd's Register
Foundation

Rpt. 1*.

W1140-0188 2/3

"BRITISH SECURITY"

GLASGOW REPORT No 59141

PARTICULARS OF LONGITUDINAL FRAMING.

JAN 6 1938

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.	Ins.	Diam.		Speng.	Number.	Diameter.
Framing of L, E or C																			
Frames in Bridge 'tween Decks ...																			
Frames from Uppermost Continuous Deck Keel No. 1		17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	7/8	5 1/2	3" apart for 10	16" x 14" 7/8	20" x 18" x 24" x 2"	
" 2		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	Rivets in 40'0	"	"
" 3		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	2" x 13" apart	"	"
" 4		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	for 12 rivets in	"	"
" 5		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	24" x 2" Janks	"	"
Wing Bulkhead																			
" 6		17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	17" x 48" x 14" x 14" x .68	7/8	5 1/2	"	"	"	
" 7		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 8		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 9		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 10		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 11		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 12		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 13		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 14		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 15		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 16		30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	30 1/2" in wing Janks	29	30	31	29	30	31
Spacing of Longitudinal Frames																			
Double Bottoms L, E or E																			
Tank Top Longitudinals																			
Bottom																			
Spacing of Longitudinals																			
Transverses.																			
In Bridge 'tween Decks																			
Depth and Thickness		36	"	.44	36	"	.44	36	"	.44	36	"	.44	36	"	.44	36	"	.44
Face Angles		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	3 1/2	3 1/2	.44	3 1/2	3 1/2	.44
Lugs to Shell*		6	6	.44	6	6	.44	6	6	.44	6	6	.44	6	6	.44	6	6	.44
In Hold																			
Depth and Thickness		5 1/4	"	.48	5 1/4	"	.48	5 1/4	"	.48	5 1/4	"	.48	5 1/4	"	.48	5 1/4	"	.48
Face Angles		13	"	.40	13	"	.40	13	"	.40	13	"	.40	13	"	.40	13	"	.40
Lugs to Shell*		6	3 1/2	.66	6	3 1/2	.66	6	3 1/2	.66	6	3 1/2	.66	6	3 1/2	.66	6	3 1/2	.66
Back Bars		3 1/2	3 1/2	.48	3 1/2	3 1/2	.48	3 1/2	3 1/2	.48	3 1/2	3 1/2	.48	3 1/2	3 1/2	.48	3 1/2	3 1/2	.48
Brackets		10'0	5'12'-1		10'0	5'12'-1		10'0	5'12'-1		10'0	5'12'-1		10'0	5'12'-1		10'0	5'12'-1	
Spacing of Transverse Frames																			
Longitudinal Beams of L, E or E																			
Bridge Deck																			
Upper		8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42
Upper wing		8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42
Second		8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42
Third		8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42	8 x 3 1/2" x .42

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.

JAN 6 1938

EQUIPMENT No 46060 ✓										LETTER dt ✓		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.	Owts.	qrs.			
37483	1st Bower ...	89	3	7 ✓	✓			63	5	0	0 ✓	81½ ✓		Byers Improved Stockless	-	Junderland 6 Sept 37 M. Butler
37482	2nd „ ...	81	1	14 ✓	✓			59	10	0	0 ✓	81½ ✓		Do	-	Do 12 Sept 37 Do
37413	3rd „ ...	69	3	0 ✓	-			53	12	2	0 ✓	69½ ✓		Do	-	Do 7 Aug 37 M. Roman
	Collective weight.	240	3	21 ✓								232 ✓				
50984	Stream	23	2	14 ✓	5	3	17	23	11	3	14	23½ ✓	Exc Stock	Ordinary 2½. Iron	-	Cadby Heath 22 Oct 37 S. Paul

CHAIN CABLES.										HAWSERS 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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Owts.	qrs.	lbs.	Length.	Diam.				Length.	Ins.		Length.	Ins.
39497	300	2½	112½	157½	948-2-0	940				300	2½	Steel Link	✓	Cadby 15 Oct 37 M. Butler	TOWLINE	130	5½	130	5½
39502	203 qrs links/ft 2½ cable	3¾	112½	157½	8-2-21					203 qrs links	3¾	Open Link	✓	Cadby 9 Oct 37 M. Butler	HAWSERS & WARPS	200	8	200	8
																200	8	200	8
Stream Chain or Steel Wire	120	4¾		64.6						120	4¾	SWR 24	✓						

Steering Gear, Steam *Hydraulic by Hastic* *Emergency* Steering Gear, Hand- *Blocks and Tackle*

Boats *4 @ 24'0" x 7'6" x 3'0" Steel* ✓ Steering Chains, Size and Test *None* ✓ Windlass *Steam 12½ x 14 by Emersons Reath* ✓

Ceiling in Holds, thickness and material *None* ✓ Cargo Battens, thickness, material and spacing *Fore hold Steel Cover* ✓

Cargo Hatchways.-(Upper Deck) *Steel plates and angles* ✓ Thickness of Hatches *Steel 44 Stiffeners 5.3.38* ✓

Size of No. 1 Hatchway (Forward) *6'9" x 10'0"* No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters *None*

For HARLAND AND WOLFF, LIMITED

Builder's Signature

Govan Secretary.

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 ✓ 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 letter of various dates and in conformity with the Society's rules for the class contemplated.
The workmanship and materials are good. The bulkheads, decks, double bottoms, peaks, oil cargo tanks, oil fuel bunkers, and fore and after coffer dams have been tested in accordance with the rule requirements. The freeboards verified and the marks cut in on the vessel's side.
The steering gear and windlass tried with satisfactory results. Oil fuel, F.P. above 150°F is carried in a deep tank at the after end, fore deep tank, and double bottom off. Section 20 of the rules have been complied with.

The approved plans as per list on other side are forwarded herewith.

The amount of Entry Fee £ 11 : 0 : 0 Fees applied for, *5 - JAN 1938*
 Special Survey Fee.... £ 617 : 12 : 6 Received by me, *14/1 1938*
Rebates 19 0 0
 Travelling Expenses, if any £ : :
 State whether the Vessel has been built under Special Survey *Yes*
in duplicate GLASGOW Date of issue *7/1/38*
 Certificate to be sent to

I am of opinion the Vessel should be Classed *+100A1* ✓
Carrying petroleum in Bulk ✓
Longitudinal framing at bottom and at deck ✓
 Signature *Roman Dobson*
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Character assigned *+ 100 A1*
Carrying petroleum in bulk
Lloyds A.C.P. *+ Inc 12.37 200 150 lb.*
OK. *bie Eng. Ch.*
write *OK*
" *OK*

The surveyor, if requested, may not write on or below the Committee's Minute.

W1140-0188 3/3

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. -

- 1 Midship Section as built (forwarded in advance)
- 2 Midship Section
- 3 Scantlings in way of oil tanks
- 4 Transverse bulkheads
- 5 Oil fuel bunkers and aft cofferdam bulkheads
- 6 Bridge end bulkheads and partitions under bridge
- 7 Longitudinal bulkheads in oil fuel bunkers
- 8 Trunks in oil fuel bunkers
- 9 Aft end framing
- 10 Engine seating & tank top.
- 11 Framing in nos 1, 2, 8 & 9 wing oil tanks
- 12 Fore end shell plating
- 13 Bridge deck plating
- 14 Engine & Boiler Casings
- 15 Stemframe
- 16 Stemframe & Bts, Rudder
- 17 Fore peak bulkhead
- 18 Scantlings in way of machinery space
- 19 Modified position of channel pillars in motor room
- 20 Steel tubular masts
- 21 Stern effects
- 22 Prelim. plan of Bts, Rudder
- 23 Spare tiller
- 24 Tiller
- 25 Stemframe
- 26 Fore end arrangements
- 27 Emergency steering gear
- 28 Pumping arrangements
- 29 Casting & Forging Certificate of Stemframe, Rudder & Tiller (2).

Sister Vessels — *by British Power*
British Destiny *Broomdale* *British Integrity*
Broomdale ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Carrying Petroleum in Bulk* ✓

Longitudinal framing at bottom and at deck, Cruisers Stem, Direction Finder, Echo Sounding Device, Machinery aft, ✓
Lloyd's A & C.P. Rules, Length O.A. 148' 1" ✓

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

1st Bower	60	-	2	-	21	✓	W.H.	No 6214	22/1/37
2nd "	55	-	1	-	0	✓	F.H.	No 5419	24/6/37
3rd "	44	-	1	-	21	✓	F.H.	No 5425	24/6/37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *105' 11"* ft., R.Q.D. ✓ ft., Bridge *42' 5"* ft., Forecastle *45' 25"* 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 *1 Dk. 2nd Dk. Class of Cargo tanks.* ✓

Official No. *166328* ; Signal Letters
particulars of composition *A.C. 100% A. Asp.* ✓

Is bottom of vessel coated with cement *Bitumastic in Deck & Peak Tanks* *Cement filled at stern tanks* if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		224 ✓
Double bottom, under Engines and Boilers,			After peak tank,		200 ✓
Double bottom, if under Engines only,	75 ✓	175 ✓	Deep tank, aft, <i>Coffdam leave out</i>	3.5	188
Double bottom, if under Boilers only,			Deep tank, forward,	33.75 ✓	434 ✓
Double bottom, forward,			Other tanks, if fitted, <i>and Coffdam leave out</i>	3.5	187
Total length of Double bottom, including Coffdam at 2'-6" = 77'-6"			(If necessary, furnish further information by sketch.)		
Total capacity of double bottom 175 ✓			* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).		

Order for Special Survey No. *6315*

Date *21.9.36*

Dates of Surveys held while building

1937 Mar.: 26 Apr.: 1. 2. 2. 28 May: 4. 17. 25 June: 15. 17. 25. 29 July: 5. 6. 7. 8. 14. 18. 27
Sep.: 6. 10. 14. 16. 17. 20. 21. 22. 24. 30 Oct.: 1. 4. 5. 7. 8. 11. 12. 13. 14. 15. 18. 19. 20. 21. 22. 25
26. 27. 28. 29 Nov.: 10 Dec.: 3. 12. 16. 19. 27. 28

Total No. of Visits

55