

## STEEL STEAMER or MOTORSHIP.

3 SEP 1941

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

19<sup>th</sup> August 1941

Port of

Glasgow

No.

64260

Survey held at

Glasgow

Date First Survey

25<sup>th</sup> Apr 1940

Last Survey

18<sup>th</sup> August

1941

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

Single Screw "EMPIRE SET" (Machinery off)

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

Full Scantling

State Type of Erections

Loop Bridge &amp; Fide

TONNAGE under Tonnage Deck

7211.75

CLASS +100 A-1

State if with freeboard

No

Carrying Petroleum in Bulk as condition of Class

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

Total

7211.75

Gross Tonnage

8133.71

Register Tonnage

4723.14

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

L 460.0

Breadth (greatest moulded)

B 61.0

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

D 33.25

1st Longitudinal Number (L x D)

= 15295

2nd Numeral L x (B + D)

= 43355

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

✓

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

13.83

Do. Long Bridge to top of keel

26.10 1/2

Draught Moulded

26.10 1/2

Built at

Scots'row - Glasgow

Launched

27<sup>th</sup> May 1941

Yard No.

63

Builders

Blythwood Shipbuilding Co. Ltd.

Owners

His Majesty represented by the

Minister of War Transport

Managers

British Tanker Co. Ltd.

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

Residence

P.O. Box 6, New Zealand Avenue

Walton-on-Thames, Surrey

Port of Registry

Glasgow

If surveyed while building, afloat, or in dry dock

Building and afloat

## REGISTERED DIMENSIONS.

FEET.

Length

463.2

Breadth

61.2

Depth

33.0

## 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.
<b>FRAMES, Spacing amidships</b>	31		<b>Bracket Floors, Frame</b>	✓	
" " from 1/3 length amidships to Collision bulkhead	31 & 26		" " Reversed Frame	✓	
" " in peaks	24		" " Vertical Struts	✓	
<b>IDE FRAMING, in Wing Tanks</b>			<b>Centre Girder, depth and thickness amidships</b>	48	54
Frame Amidships, Angle, E or F	10 3 1/2 7/16		" " top Angles	4 4	50
" " Extends from bilge to upper Deck			" " bottom Angles	6 6	50
<b>Side Stringers</b>			<b>Side Girders, No. each side and thickness</b>	3 as per App <sup>d</sup> plan	
Reversed Frame Amidships, Angle, E or F	28 * 42		<b>Margin Plate</b> depth (each of flange) and thickness	52	
" " Extends up to	32 * 44		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6	50
<b>Depth of Framing Girder</b>			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	✓	
Frames in Uppermost Continuous Deck, Angle, E or F	10 3 1/2 7/16 to 2 <sup>nd</sup> Deck		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
" " Second Deck, Angle, E or F	10 3 1/2 7/16 to 2 <sup>nd</sup> Deck		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
" " Third Deck, Angle, E or F	10 3 1/2 7/16 to 2 <sup>nd</sup> Deck		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	33	45
" " In Deep Tank forward from 1/2 len. from d. to 1/2 len. from stem	12 3 1/2 45		<b>INNER BOTTOM PLATING.</b>		
" " in Peaks, Angle, E or F	8 3 1/2 7/16		Breadth and thickness of Middle Line Strake	107	52
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 4 3/4		Thickness of remainder in Hold	Eng. Space	52
State if Frame Joggled	Yes		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. Space and framing in Bunkers and Boiler Room	Engine Seat 1 1/4 as per app <sup>d</sup> plan	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved		<b>BEAMS.</b>		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	Range beams as per page 5	
<b>SINGLE BOTTOM, in Deep Tank forward</b>			" " in way of Bridge, Angle, E or F	{ 9 3 1/2 7/16 9 3 1/2 8	
Floors, Depth and thickness at mid-line in Holds	48 38		" " Spacing	Every frame	
Height of Brackets at side above base line at toe of frame	84 40		<b>Second Deck, amidships, Angle, E or F</b>	8 3 1/2 7/16	
Middle Line Keelson, on Floors, Angles, E or F	Centre line Bld.		" " Spacing	Every frame	
" " Through Plate or Intercoastal Plate	Stiffeners		<b>Deep Tank flat forward</b>	8 3 1/2 7/16	
" " Foundation Plate on Floors	10 3 1/2 50 BA		<b>Third Deck, amidships, Angle, E or F</b>	8 3 1/2 7/16	
" " Flat Plate Keel Angles	4 4 1/2 50		" " Spacing	Every frame	
<b>Side Keelsons, No. each side</b>	One		<b>Fourth Deck, amidships, Angle, E or F</b>	✓	
" " thickness of Intercoastal Plate	6 3 1/2 42		" " Spacing	✓	
" " Angles	6 6 50		<b>Poop Deck, Angle, E or F</b>	8 3 1/2 7/16	
<b>DOUBLE BOTTOM, in Engine Space only</b>			" " Spacing	2 as app <sup>d</sup> Every frame	
Solid Floors, thickness and spacing	50 Every ft.		<b>Bridge Deck, Angle, E or F</b>	Range beams as per page 5	
" " Are Frame and Reversed Frame joggled?	Yes		" " Spacing	✓	
<b>Bracket Floors, breadth and thickness at middle line</b>	✓		<b>Forecastle Deck, Angle, E or F</b>	8 3 1/2 35	
" " breadth and thickness at margin plate	✓		" " Spacing	2 3 1/2 38 Every frame	



# 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.</b> No. of Rows.....	<i>Continuous hang? O.T.</i>		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	<i>Bulkhead (P's) throughout</i>		Thickness of Plating abreast Deck openings in way of Wells .....	✓	
„ „ „ „ „	<i>Oil tanks</i>		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	<i>Pillaring at ends</i>		Thickness of Plating within line of openings...	✓	
<i>hang? O.T.</i> „ „ „	<i>as approved</i>		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead (P's)</b>			<b>Third Deck. Deep tank flat forward</b>		
Stiffeners and Spacing.....	<i>10 x 3 1/2 x 7/8 BA @ 31"</i>		Stringer Plate, breadth and thickness.....	54	38
<i>With 2 Stringers</i>	<i>Top 29 x 40 flanged 5"</i>		If Plated, state thickness.....	38	<i>46 under hatch</i>
Plating, thickness of .....	<i>32 x 42</i>				
<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	84	82	If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	84	82			
„ Angle in Wells & Bridge	6 6 8		<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Wells & Bridge	<i>C's Strake 7/8</i>		Stringer Plate, breadth and thickness .....	37	37
Thickness of Plating abreast Deck openings in way of Bridge	<i>A (P) 7/8 (3) 60</i>		Plating, Sheathing, material and thickness .....	30 unsketched	<i>3/4 Annular</i>
Thickness of Plating within line of openings...	<i>B (P's) 7/8 76, 80, 88</i>			26 sheathed	<i>Wadia Cork and Weather Decking</i>
If Sheathed, material and thickness .....	<i>C (P's) 60 x 68</i>		<b>Bridge Deck.</b>		
			Stringer Plate, breadth and thickness.....	80 1/2	37
<b>Second Deck. in Engine Space</b>			Plating, Sheathing, material and thickness .....	34 unsketched	
Stringer Plate, breadth and thickness in Wells...	44 - 40			32 inside house sheathed with Composition	
			<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	37	37
			Plating, Sheathing, material and thickness .....		36

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? No		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL .....	50	.99	.79	.79		Double	1" 4.0	5R-4R	1 1/8-1	5-4	Lapped
„ <i>DECK (if any)</i>											
BOTTOM PLATING, No. of Strakes ....	<i>A 52 C D</i>	.70	.60	.54			7/8 3.5	4R-3R	7/8	3 1/2-3 1/8	
BILGE PLATING, No. of Strakes .....		.65	.50	.54							
SIDE PLATING, No. of Strakes .....		.63	.48	.48							
UPPER DECK, Sheer-strake in Wells.....	<i>7 1/4</i>	<i>1.13 at poop and edge ends</i>	<i>1.13 fore</i>	.48				<i>6R at Poop Front 1 1/8 5"</i>			
UPPER DECK, Sheer-strake in Bridge ...	<i>7 1/4</i>	.94					1" 4.0	5R	1 1/8	5	
STRAKE BELOW Sheer-strake in Wells.....	72	.78	.48	.48				4R-3R	1"	4-3 1/8	
STRAKE BELOW Sheer-strake in Bridge ...	72	.78						4R	1"	4	
POOP SIDE PLATING (1 Strake)			<i>.50 at poop front</i>			Single	7/8 3.5	3R	3/4	2 1/8	
BRIDGE SIDE PLATING (1 Strake)		.44	<i>.50 x .54 at Bridge ends</i>			<i>No upper edge</i>	1" 4.0	3R & 2R			
FORECASTLE SIDE PLATING (2 Strakes)		.44 & .43					3/4 3.0	1R			

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel</b> .....	17
Extending to Upper Deck (Sec. 3 c) .....	17
„ Deck next below .....	✓
As per Rule 17	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper 'tween decks</b>					
„ „ <i>Second</i> „					
„ „ <i>Third</i> „					
„ „ Holds .....	.54 - .41	10 x 3 1/2 x 7/8	36	<i>Upper Row 30 x 40</i>	
<b>COLLISION</b> „ (in Hold) .....	.52 - .33	10 x 3 1/2 x 7/8	24	<i>Wings 28 x 40 28 x 40</i>	
<b>AFTER PEAK</b> „ „ .....	.50 - .30	10 x 3 1/2 x 50	24	<i>Tanks 14 x 40 30 x 60 30 x 50</i>	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....	✓			
<b>STEM</b> .....	<i>Rolled Steel</i>	10 x 2 1/2		
<b>STERN FRAME</b> { Propeller Post .....	<i>Casting as per app'd Plan</i>		<i>Steel Company of Scotland</i>	
{ Rudder „ .....				
<b>Speed of Vessel</b> .....	12 K			
<b>RUDDER-Type</b> .....	<i>Ordinary Double plate</i>			
„ A x D .....	660			
„ Diam. of head .....	<i>Forging 13"</i>		<i>Wm Bevan &amp; Co Ltd</i>	
„ Mainpiece at top pintle .....	<i>Casting as per app'd Plan</i>		<i>Steel Company of Scotland</i>	
„ „ heel .....				
„ how constructed .....	<i>Raw</i>		<i>Scotland</i>	
„ double or single plate .....	<i>Double plate 50</i>			
„ coupling, vertical or horizontal .....	<i>Horizontal</i>			

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	<i>Colvilles Ltd; Consett Iron Co Ltd; Dorman Long &amp; Co Ltd; Steel Company of Scotland</i>
	Has the Steel been tested as required by the Rules? <i>Yes</i>



EQUIPMENT No 45,344										LETTER C-1		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.						
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.										
99629	1st Bower	74	0	0	Stockless	55	15	0	0	3 BOWERS	BYRES	S. TAYLOR & SONS LTD	NETHERTON 4-3-41								
99630	2nd "	73	2	14		55	15	0	0												
	3rd "																				
	Collective weight.									219 1/2											
99619	Stream	22	2	7	5	3	2	22	16	3	14	22	ORDINARY		27-2-41						
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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.		Length.	Cir.		
X	300	2 1/8	113-8	1593	X			300	2 1/8	TAYCO	S. TAYLOR & SONS LTD			TOWLINE	130	5 1/4	775	130	5 1/4		
X FOR PARTICULARS OF CABLE SEE PAGE 6																HAWSERS & WARPS	42100	2 3/4	15-2	42100	2 3/4
Stream	120	4 3/4						120	5 (6 1/2)	G.S.W.											
Steering Gear, Type (Power or hand) by Hastie & Co Greenock										Alternative Means of Steering by blocks and tackle to Winch on poop Deck											
Steering Chains (Size and Test) Selenmotor Gear										Windlass steam by Emerson Walker Boats One 26' Lighter Boat 3 - 24' Lifeboats											
Ceiling in Holds, thickness and material None										Cargo Battens, thickness, material and spacing None											
Cargo Hatchways. (Upper Deck) Steel Beamings & Angles										Thickness of Hatches Angled Steel Covers											
Size of Hatchways No. 1 (Fwd.) 8' 8" x 12' 0"										No. 2 4' 6" x 8' 6" No. 3 No. 4 No. 5 No. 6											
Number of Shifting Beams and/or Fore and Afters										Builder's Signature John W. Stewart											
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										Motor Ship											
(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 (where required to be inserted in the Notation).											
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 for the class contemplated																					
The Workmanship and Materials are good																					
The Cargo oil tanks; Oil Fuel Bunkers; Settling tanks; Cofferdams; Fore peak tank; Deep tank forward; After peak tank & the Double bottom tanks in the Engine space were tested as required by the Rules and found satisfactory																					
Oil fuel is carried in Deep tank forward; Oil fuel bunkers at fore end of Machinery space and in Double bottom in Engine space. Flash point above 150°F. Sec. 20 of the Rules complied with where applicable. Weather Decks have tested & found satisfactory																					
Freeboard Verified and Marks Cut in																					
Steering gear & Windlass tried under Working Conditions & found satisfactory																					
SEE OVER																					
The amount of Entry Fee £ 11 : 0 : 0										Fees applied for, 2 SEP 1941											
Special Survey Fee £ 604 : 19 : 9										Received by me, 19											
Freeboard Travelling Expenses, if any £ 19 : 0 : 0										I am of opinion the Vessel should be Classed +100 A-1											
State whether the Vessel has been built under Special Survey										Signature by number at the first dry docking											
Certificate to be sent to GLASGOW										Date of issue 25/9/41											
Committee's Minute GLASGOW										2 SEP 1941											
Character assigned -1 100 A1										S. 41											
Longitudinal Framing at Bottom and at Deck										Carrying Petroleum in Bulk } subject											
Lloyd's A&CP										-1 Linc S. 41 all eng 2 00 150 lb.											



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Lloyd's Register  
Foundation



— EMPIRE JET —

Particulars of Chain Cables.

N <sup>o</sup> OF CERT.	LENGTH & SIZE		TEST PER CERT.		WEIGHT.	DESCRIPTION	MAKERS	WHEN & WHERE TESTED & SUPERINTENDENT
	FMS.	DIA.	STATUTORY	BREAK <sup>s</sup>				
116381	15	2 1/8"	T. C. Q. L. 113-16-00	T. C. Q. L. 159-600	C. Q. L. 36-3-19	STOD LINK "TAYCO"	SAMUEL TAYLOR & SONS (BRIERLY HILL) LD	7.7.41 Melkerton J.A. Relf
116382	15	"	"	"	37-0-3	"	"	"
116383	15	"	"	"	36-3-24	"	"	"
116384	15	"	"	"	37-0-10	"	"	"
116033	15	"	"	"	36-3-8	"	"	6.3.41 Melkerton J.A. Relf
116034	15	"	"	"	37-0-22	"	"	"
116035	15	"	"	"	37-1-15	"	"	"
116036	15	"	"	"	37-1-0	"	"	"
116037	15	"	"	"	37-1-22	"	"	"
116038	15	"	"	"	37-0-0	"	"	"
116039	15	"	"	"	37-1-0	"	"	"
116040	15	"	"	"	37-1-8	"	"	"
116041	15	"	"	"	36-2-0	"	"	"
116042	15	"	"	"	36-1-0	"	"	"
116043	15	"	"	"	36-2-22	"	"	"
116044	15	"	"	"	36-3-0	"	"	"
116045	15	"	"	"	37-0-14	"	"	"
116046	15	"	"	"	37-0-19	"	"	"
116047	15	"	"	"	38-0-6	"	"	"
116048	15	"	"	"	37-2-0	"	"	"

TOTAL 300.