

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office 23 MAR 1928

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 *20th March 1928*Port of *Glasgow*No. *47740*Survey held at *Glasgow*Date First Survey *17. 1. 27*Last Survey *16th March*

1928

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Imperial Steel Motorship "VICTROLITE" (Machinery fitted Aft)*State Type (Full Scantling—Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *Bridge & Forecastle*TONNAGE under Tonnage Deck... *10799.51*CLASS *100A1*State if with freeboard as condition of Class *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 L.W.L. See Sec. 3 (1a) *L 510'-0"*Launched *28th November 1917* Yard No. *517*Total *10799.51*Breadth (greatest moulded) *B 68'-0"*Builders *Alco. Stephen & Sons Ltd*Gross Tonnage *11409.70*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 38'-0"*Owners *Imperial Oil Co Ltd*Register Tonnage *6711.19*1st Longitudinal Number (L × D) *510 × 38 = 19380*

Managers

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

REGISTERED DIMENSIONS.

FEET.

Length *510'-2"*Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.42*Residence *Canada (Toronto)*Breadth *68'-2 1/2"*Do. Long Bridge to top of keel *28'-0 3/4"*Port of Registry *Glasgow*Depth *38'-0"*Draught Moulded *28'-0 3/4"*

If surveyed while building, afloat, or in dry dock

Special Survey

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>Longitudinal Framing</i>		Bracket Floors, Frame	<i>✓</i>	
" " from 1/4 length to Collision bulkhead.....	<i>Beckwithers System</i>		" " Reversed Frame.....	<i>✓</i>	
" " in peaks.....	<i>For particulars of Longitudinal Framing, See Slip on back of page 4</i>		" " Vertical Struts.....	<i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>54'-58'-50'-68'-52'</i>	
Frame Amidships, Angle, [or]	<i>✓</i>		" " top Angles.....	<i>Double</i>	<i>52'-58'-50'-68'-52'</i>
" " Extends up to.....	<i>✓</i>		" " bottom Angles.....	<i>Double</i>	<i>52'-58'-50'-68'-52'</i>
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>4-54</i>	
" " Extends up to.....	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>58'-62' D.S. Incl tank top</i>	
Depth of Framing Girder	<i>✓</i>		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem.....	<i>✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem.....	<i>✓</i>	
" " Second 'tween Decks, Angle, [or]	<i>✓</i>		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	<i>✓</i>	
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling forward 1/4 len. from stem.....	<i>✓</i>	
Framing in Peaks, Angle or [.....	<i>✓</i>		Tank Side Brackets, height above base line at top of Frame and thickness	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>✓</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>✓</i>		Breadth and thickness of Middle Line Strake	<i>62'-80'-58'</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>✓</i>		Thickness of remainder in Holds	<i>60'-58'</i>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<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>Yes</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<i>✓</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, [or].....	<i>✓</i>	
Middle Line Keelson, on Floors, Angles, [or]	<i>✓</i>		Spacing	<i>✓</i>	
" " Through Plate or Intercostal Plate.....	<i>✓</i>		Second Deck, amidships, Angle, [or]	<i>✓</i>	
" " Foundation Plate on Floors.....	<i>✓</i>		Spacing	<i>✓</i>	
" " Flat Plate Keel Angles.....	<i>4-4'-61'-55</i>		Third Deck, amidships, Angle, [or]	<i>✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>✓</i>	
" " thickness of Intercostal Plate.....	<i>✓</i>		Fourth Deck, amidships, Angle, [or]	<i>✓</i>	
" " Angles.....	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM. Aft			Poop Deck, Angle, [or]	<i>✓</i>	
Solid Floors, thickness and spacing	<i>54'-2'-6</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?.....	<i>Yes</i>		Bridge Deck, Angle, [or]	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing	<i>✓</i>	
" " breadth and thickness at margin plate.....	<i>✓</i>		Forecastle Deck, Angle, [or]	<i>Longitudinal</i>	<i>6 3 32</i>
			Spacing	<i>3-0</i>	<i>Transverse Beams 10'-58' 4'-48' 3'-0' 3'-0' 3'-0'</i>

PILLARS AND DECKS.

	INCHES IN SHIP. <i>The Oil</i>	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. <i>The Oil</i>	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	/	/	Stringer Plate, breadth and thickness in way of Bridge	70"x47"	60"x47"
" "in 'tween Decks, Size and Spacing.....	/	/	Thickness of Plating abreast Deck openings in way of Wells	47"	/
" " " " "	/	/	Thickness of Plating abreast Deck openings in way of Bridge	47"	/
" "in Holds " "	/	/	Thickness of Plating within line of openings..	/	/
" " " " "	/	/	If Sheathed, material and thickness	/	/
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing	18'4"-4' 3/4" Ch G S 2"x2 1/2"x1 3/4" bent Vertical Webs	✓	Stringer Plate, breadth and thickness.....	✓	/
Plating, thickness of	5/16" 39 in Hold, 7/16" 46 in Truss etc	✓	If Plated, state thickness.....	✓	/
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	/	/
Stringer Plate, breadth and thickness in Wells	63"x81"	/	If Plated, state thickness	/	/
" " " "in way of Bridge	63"x88" 62"x81"	/	Poop Deck.		
" Angle in Wells	77° 81'	/	Stringer Plate, breadth and thickness	✓	/
Thickness of Plating abreast Deck openings) in way of Wells	81"	/	Plating, Sheathing, material and thickness ...	✓	/
Thickness of Plating abreast Deck openings) in way of Bridge	81"	/	Bridge Deck.		
Thickness of Plating within line of openings... Alternates or outside stakes are fitted with overlaps at each O.T. Bulkhead	70"	/	Stringer Plate, breadth and thickness.....	62"x46"	48"x46"
If Sheathed, material and thickness	/	/	Plating, Sheathing, material and thickness	37" steel	/
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	70"x47"	60"x47"	Stringer Plate, breadth and thickness.....	37"x40"	/
			Plating, Sheathing, material and thickness ...	37" steel	/

SHELL PLATING.

SCANTLINGS.				AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES. State if jogged?			RIVETING.			
STRAKES.	AMIDSHIPS.				FORWARD.	AFT.				SINGLE OR DOUBLE.	RIVETS.		No. of ROWS OF RIVETS.	RIVETS.		STRAIPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.							Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	56	1-10	84	84						Double	1 1/8	4 1/2	5	1 1/8	5	Lapped
" DBLG. (if any)		✓														
BOTTOM PLATING, No. of Strakes 5		72	54	64	76					"	7/8	3 1/2	5	7/8	4	"
BILGE PLATING, No. of Strakes 4		72	54	76						"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes 4		66	50	74	50					3 1/2 Double	"	3 1/2 3/8	4	7/8	3 1/2	"
UPPER DECK, Sheer-strake in Wells	81 1/2	95	50	50						Double	1	4	5	1 1/8	5	"
UPPER DECK, Sheer-strake in Bridge ...		95-110	at ends of Bridge							"	"	"	"	"	"	"
STRAKE BELOW Sheer-strake in Wells	72	86	50	50						"	"	"	"	1	4 1/2	"
STRAKE BELOW Sheer-strake in Bridge ...		86	Strakes A.C. and E are filled with Doublings and B.D.H.K. and Muntz long overlaps in way of O.T. Bulkheads.													
POOP SIDE PLATING		1	Three strakes of Bottom plating maintain midship thickness to forward of foremast bulkhead													
BRIDGE SIDE PLATING ...	✓	54								Double to Single	7/8	3 1/2	3	7/8	3 1/2	"
FORECASTLE SIDE PLATING	✓		46							Single	3/4	3	1	3/4	2 1/2	"

WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel— *2 Watertight and 17 Oil Tight*
Extending to Upper Deck (Sec. 3 c) *18 to Upper Deck*
" Deck next below. *After Peak Bulk to 2nd Deck.*
As per Rule

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'HD. Upper tween decks		3/8" - 3/4"	One 14" in each Summer Tank		2-31-40 6 7-31-37 1/2	30
"	" Second "	✓				
"	" Third "	✓			Channels 18-0-1/2 6	30
"	Holds	3/4" - 3/8" each Tank	10-0	2-31-40	6	
COLLISION		"	Channels 18-0-1/2 6	2-31-40	6	
"	(in Hold)	3/8" - 3/5" 18-0-1/2	3/4	6-7-7 1/2 Channels	6	✓
AFTER PEAK		"	48-33	18-0-1/2 6	2-31-40	6

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	Flat plate keel.	✓	
STEM	✓	Roll'd bar 11 x 3	10" beam iron & L.L.	
STERN FRAME	Propeller Post	✓		
	Rudder ..	Casting 10 x 5 1/2	Munz Stahlwerk Krueger	
RUDDER—A x D 19 1/8 x 5 1/2	10 1/8			
Speed of Vessel	10 1/2 knots			
RUDDER mainpiece at head ..	Forged steel 15 3/4	14 3/4 to 11 3/4	Wichowitzer Bergbau + Eisenh. Ges.	
" " heel ..	" " 11 3/4			
" how constructed	Built			
" double or single plate	Single 1-18 thick			
" coupling, vertical or	Vertical			
" horizontal				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth.*
The Steel Company of Scotland, The Lanarkshire Steel Co. Ld., David Christie & Son Ld., Cargo & Co. Ld., William Beardmore & Co.,

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

EQUIPMENT No. 55357										LETTER 9+	ANCHORS.			
Number of Certificate.	Anchors.	WRIGHT, EX. STOCK			WRIGHT OF STOCK			TEST, PER CERTIFICATE			WRIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
43117	1st Bower ...	98	2	10	Stockless	66	17	2	0	95	Ordnance (Cast Steel) R. & S. 1888	Ordnance	Ordnance	
43125	2nd " ...	98	1	10	do	66	10	0	0	95	do	do	do	
43118	3rd " ...	81	2	7	do	59	10	0	0	81	do	do	do	
Collective weight.		275	5	27						275				
43085	Stream ...	28	1	21	4 0 20	27	10	0	0	28	Rodgers	do	do	

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.					
		Static.	Break- ing.	Supplied.	Per Rule.						Length.	Cir.			Length.	Cir.			
31237	330 2 1/2	125	105	126	3-21	1200	330 2 1/2 Stud.	R. Egbertson & Co. Cardiff 1924	1924	TOWLINE...	130	7	130	130 7					
										HAWSERS & WARPS	4-100	2 1/2	102	4-100 2 1/2					
Free Stream (Chain-see Steel Wire)	130 6		100			120 6													

Steering Gear, Steam *Hawley & Co.* Steering Gear, Hand *Blocks and Tackle*

Boats *4 Life Boats, 1 Dingy, 1 Motor Boat* Steering Chains, Size and Test. *Windlass Steam, (Clarke Chapman & Co.)*

Ceiling in Holds, thickness and material. *Cargo Battens, thickness, material and spacing.*

Cargo Hatchways. (Upper Deck) *Cargo hatch to Fore Hold with Watertight Cover 30ft x 14ft 5-2-0 20ft x 14ft 5-2-0 20ft x 14ft 5-2-0* Thickness of Hatches *Cargo hatch 2-4 1/2 in. Deck 2-4 1/2 in. Deck 2-4 1/2 in.*

Size of No. 1 Hatchway (Forward) *14-0-9-0 No. 2 Oil tight hatch 6-0-4-0 No. 4 No. 5 No. 6*

Number of Shifting Beams and/or Fore and Afters. *2*

ALEXANDER STEPHEN & SONS, LIMITED.

Builder's Signature *John H. A. R. Secretary*

GENERAL DECLARATION *This vessel has been built in accordance with the Secretary's letters of instruction. The accompanying approved plans and in general conformity with the Society's printed rules. The workmanship and materials employed during the construction are of good quality. The whole of the Oil Cargo tanks, Summer tanks, Copper dams, Oil Fuel Bunkers, Fore and After Peak tanks, Double Bottom tanks aft, Deep tank forward, Weather decks, Bulkheads and Pumps have been tested in accordance with rule requirements with satisfactory results. The scantlings and arrangements at the fore and after ends clear of the oil tanks are in accordance with the approved plans. The Freeboard markings have been cut in on the vessels sides and verified.*

For list of Approved plans accompanying this report. See Over:-

Damage:- *Vessel struck bank on opposite side of river during launching, damaging propeller blade on port side and indenting shell plate. Strike No. 17 from forward, this shell plate was paired in place afloat. On the 2nd February 1928, the vessel was placed in the Princess Dry Dock, Govan. The Bottom and Rudder were cleaned, examined and re-coated. One propeller blade on the port shaft removed.*

The amount of Entry Fee £ 12 : 0 : 0 Fees applied for, **22 MAR 1928**

Special Survey Fee £ 701 : 8 : 9 Received by me, *13/4/28*

Travelling Expenses, if any £ 13-15-0

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

"Carrying Petroleum in Bulk"

"Longitudinal Framing," Bracketless System

Signature *Alex Munro*

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey *Yes*

H.M. induplicate Certificate to be sent to *Glasgow* Date of issue *17/4/28*

Committee's Minute **GLASGOW 27 MAR 1928**

Character assigned **+ 100A1 328**

Carrying Pet. in bulk

Lloyd's A & O

+ LMC 328

Longitudinal Framing - Bracketless System.

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Lloyd's Register Foundation

(213) W134-0015

GLASGOW REPORT No. 4774-0

PARTICULARS OF LONGITUDINAL FRAMING.

pt. 1*.

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		Rivets in Brackets to Bulkheads.	
		Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inches.	Number.	Diameter.	Inches.		
aming of \pm L $\frac{1}{2}$ C		B.A.			B.A.			B.A.			B.A.			3/4 4 1/2		✓		✓	
ames in Bridge 'tween Decks...		6	3	38	✓			6	3	38	✓			3/4 4 1/2	✓		✓		
ames from Uppermost Continuous Deck		9	3 1/2	43	9	3 1/2	43	9	3 1/2	40	9	3 1/2	40	7/8 5 1/4	32 through overlaps		✓		
No. 1		9	3 1/2	43	9	3 1/2	43	9	3 1/2	40	9	3 1/2	40	7/8 5 1/4	- ditto -		✓		
" 2		9	3 1/2	43	9	3 1/2	43	9	3 1/2	40	9	3 1/2	40	7/8 5 1/4	✓		✓		
" 3		10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	7/8 5 1/4	✓		✓		
" 4		10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	7/8 5 1/4	✓		✓		
" 5		12	3 1/2	45	12	3 1/2	45	12	3 1/2	45	12	3 1/2	45	7/8 5 1/4	32 through overlaps		✓		
" 6		12	3 1/2	45	12	3 1/2	45	12	3 1/2	45	12	3 1/2	45	7/8 5 1/4	32 through overlaps		✓		
" 7		12	3 1/2	50	12	3 1/2	50	12	3 1/2	50	12	3 1/2	50	7/8 5 1/4	- Ditto -		✓		
" 8		12	3 1/2	50	12	3 1/2	50	12	3 1/2	50	12	3 1/2	50	7/8 5 1/4	- Ditto -		✓		
" 9		13	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 10		15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 11		15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 12		15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	15	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 13		17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 14		17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 15		17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	17	4 1/4	4 1/2	7/8 5 1/4	32 through overlaps		✓		
" 16		Rivets in Bottom Longitudinals in W1 Tank spaced 32 through doublings & overlaps, 4 elsewhere																	
Spacing of longitudinal Frames		Amidships			At Ends			Amidships			At Ends								
Double Bottoms		Tank Top Longitudinals			Bottom			Tank Top Longitudinals			Bottom								
Spacing of Longitudinals		Amidships			At Ends			Amidships			At Ends								
Transverses.		27-21 x 38			3 1/2 flange			27-21 x 38			3 1/2 flange								
In Bridge		3 1/2 x 3 1/2 x 40			✓			3 1/2 x 3 1/2 x 40			✓								
In 'tween Decks.		42-33 x 44			42-33 x 44			42-33 x 44			42-33 x 44								
In Hold.		6 x 3 1/2 x 44.0 A			6 x 3 1/2 x 44.0 A			6 x 3 1/2 x 44.0 A			6 x 3 1/2 x 44.0 A								
Spacing of Transverse Frames		8-5 and 11-11			8-5 and 11-11			8-5 and 11-11			8-5 and 11-11								
Longitudinal Beams of		Bridge Deck			Upper			Second			Third								
" " L		5 1/2 3 1/2 40			5 1/2 3 1/2 40			5 1/2 3 1/2 40			5 1/2 3 1/2 40								
" " Second		9 3 1/2 42			9 3 1/2 42			9 3 1/2 42			9 3 1/2 42								
" " Third		✓			✓			✓			✓								

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

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.

W134-0015 (315)

-Manager-