

Rpt. 1.
RECEIVED

13 AUG 1946

IN D.O.

STEEL STEAMER or MOTORSHIP

Received at London Office 8 AUG 1946

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 (Now)

Date of completion of report 31st May, 1946

Port of Vancouver, B. C.

No. 6998

Survey held at Victoria, B. C.

Date First Survey 30th October, 1945 Last Survey 16th May, 1946

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

Steel Single Screw Steamer "OTTAWA PANDORA"

(Machinery Aft)

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

C.S.S. with tonnage opening

Forecastle on State Type of Erections S.S. deck.

TONNAGE under 636.05
Tonnage Deck...CLASS 100 A1 with
freeboardState if with freeboard
as condition of Class Yes

Built at Victoria, B.C.

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

Total

Gross Tonnage 909.21

Register Tonnage 424.13

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a) L 210.0

Breadth (greatest moulded) B 36.5

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) D 21.58

1st Longitudinal Number (L x D) = 4532

2nd Numeral L x (B + D) = 12197

Framing Depth "d," at middle of length. See
Sec. 3 (1d) 11.38Proportions—Depth to Length — Uppermost con-
tinuous deck to top of keel 9.7Do. Long Bridge to top
of keel

Draught Moulded 13-11 5/16"

Launched 16th Feb., 1946 Yard No. 42

Builders Victoria Machinery Depot Co.
Ltd.

Owners Canadian Government

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

Residence Ottawa

Port of Registry

If surveyed while building, afloat, or in dry dock

Building and afloat.

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.....	24	✓	Bracket Floors, Frame B.A.	6 x 3½ x .28	✓
" " from ⅓ length amidships to Collision bulkhead.....	24	✓	" " Reversed Frame O.A.	4 x 3 x .31	✓
" " in peaks	24	✓	" " Vertical Struts	None	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33 x .40	✓
Frame Amidships, Angle E or F	6 x 3½ x .28	✓	" " top Angles } centre girder		✓
" " Extends up to upper & 2nd dks. alternately.			" " bottom Angles } welded		✓
Reversed Frame Amidships, Angle.....	- - -		Side Girders, No. each side and thickness.....	One @ .31	✓
" " Extends up to.....	- - -		Margin Plate depth (excl. of flange) and thickness	28-3/8 x .38	✓
Depth of Framing Girder.....	6	✓	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	Welded	✓
Frames in Uppermost Continuous 'tween Decks, Angle E or F	6 x 3½ x .28	✓	" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area	Welded	✓
" " Second 'tween Decks, Angle, E or F	- - -		" " Gussets, spacing and scantling abaft ¼ len. from stem } 9" x 3/8		✓
" " Third " " " "	- - -		" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area.....	on alt. frs.	✓
" " from ½ len. for'd. to 15% len. from Stem B.A.	6 x 3½ x .28	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	31 x .31	✓
" " in Peaks, Angle or F	6 x 3½ x .28	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾" @ 7 dias.	✓	Breadth and thickness of Middle Line Strake.....	48 x .38	✓
State if Frame Joggled	No.	✓	Thickness of remainder in Holds38	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
SINGLE BOTTOM. in Engine Room.			Uppermost Continuous Deck, amidships in Walls, Angle E or F	5 x 3 x .38	✓
Floors, Depth and thickness at mid-line in Holds Engine Room	37½" x (37")	✓	" " in way of Bridge, Angle, E or F	- - -	
Height of Brackets at side above base line at toe of frame	-		Spacing	24"	✓
Middle Line Keelson, on Floors, Angle, E or F	-		Second Deck { Half Beams amidships, Angle E or F O.A.	6 x 3½ x .38	✓
" " Through Plate or Intercoastal Plate.....	37½" x .37"	✓	" " Full Beams B.A.	6 x 3½ x .28	✓
" " Foundation Plate on Floors	7/8" & 1"	✓	Spacing	24"	✓
" " Flat Plate Keel Angles welded to keel		✓	Third Deck, amidships, Angle, E or F		
Girder			Spacing		
Side Keelsons, No. each side	One	✓	Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate.....	.50"	✓	Spacing		
" " Angles	welded to floors	✓	Poop Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing31 @ 48	✓	Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	No	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	15 x .31	✓	Forecastle Deck, Angle, E or F		
" " breadth and thickness at margin plate	24 See letter 17.9.46 15 x .31	✓	Spacing		

PILLARS AND DECKS.				
	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	2	✓		
" in 'tween Decks, Size and Spacing.....	6-5/8 dia. x .43	✓		
" " " " "	28" max.	✓		
" in Holds " "	10 1/2 dia. x .50	✓		
" " " " "	28" max.	✓		
Centre Line Bulkhead.		✓		
Stiffeners and Spacing.....	None			
Plating, thickness of.....	- - -			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Way of Wells	65 x .34	✓		
" " " " in way of Bridge	- - -			
" Angle in Wells	3 1/2 x 3 1/2 x .38	✓		
Thickness of Plating abreast Deck openings in way of Wells	.32	✓		
Thickness of Plating abreast Deck openings in way of Bridge	- - -			
Thickness of Plating within line of openings..	.29	✓		
If Sheathed, material and thickness	B.C. Fir 2 1/2	✓		
Second Deck.				
Stringer Plate, breadth and thickness in Wells	65 x .31	✓		
Stringer Plate, breadth and thickness in way of Bridge	- - -			
Thickness of Plating abreast Deck openings in way of Bridge	- - -			
Thickness of Plating within line of openings..	.29	✓		
If Sheathed, material and thickness	B.C. Fir 2 1/2	✓		
Third Deck.				
Stringer Plate, breadth and thickness.....	- - -			
If Plated, state thickness.....	- - -			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	- - -			
If plated, state thickness.....	- - -			
Poop Deck.				
Stringer Plate, breadth and thickness.....	- - -			
Plating, Sheathing, material and thickness.....	- - -			
Bridge Deck.				
Stringer Plate, breadth and thickness.....	- - -			
Plating, Sheathing, material and thickness.....	- - -			
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	.29	✓		
Plating, Sheathing, material and thickness.....	.29	✓		

SCANTLINGS.				RIVETING.				
AS IN VESSEL.				EDGES.				
STRAKES.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				State if joggled? Side shell only.			
	AMIDSHIPS.		FORWARD.		BUTTS.		No. of Rows of RIVETS	STAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Aft.	SINGLE OR DOUBLE.	RIVETS.		
	Inches.	Inches.	Inches.	Thickness.	Diam.	Spacing. cr. to cr.	Diam.	Spacing. cr. to cr.
FLAT PLATE KEEL	45	.50	.50	.50	Double	3/4 3	Butts welded	✓
" DBLG. (if any)	-	-	-	-	Double	3/4 3	Butts welded	✓
BOTTOM PLATING, No. of Strakes 240	.38	.38	"	" "	" "	
BILGE PLATING, No. of Strakes 140	.38	.38	"	" "	" "	
SIDE PLATING, No. of Strakes 238	.38	.38	"	" "	" "	
UPPER DECK, Sheer-strake in Well	66	.44	.38	.38	"	" "	" "	
UPPER DECK, Sheer-strake in Bridge	-	-	-	-	Double	3/4 3	Butts welded	✓
STRAKE BELOW Sheer-strake in Well	66	.40	.38	.38	Double	3/4 3	Butts welded	✓
STRAKE BELOW Sheer-strake in Bridge	-	-	-	-				
POOP SIDE PLATING	-	-	-	-				
BRIDGE SIDE PLATING	-	-	-	-				
FORE'C'TLE SIDE PLATING	-	-	.30	-	Single	3/4 3	Butts welded	✓

<p>Total No. of W.T. BULKHEADS in Vessel—</p> <p>Extending to Upper Deck (Sec. 3 c) two - frs. 93 & 96</p> <p>" Deck next below three - frs. 6, 32 & 69</p> <p>As per Rule three.</p>		<p>Any Departure from Approved Plans to be Noted</p>	
<p>CASTING OR FORGING.</p> <p>ins.</p> <p>Maker's Name.</p>		<p>KEEL, Bar Flat Plate</p> <p>STEM Rolled Bar 7"x12"</p> <p>STERN FRAME { Propeller Post C.S. 6"x54"</p> <p>{ Rudder " 6"x54"</p> <p>Speed of Vessel 10 1/2 knots.</p> <p>RUDDER—Type Streamline made by Van.</p> <p>" A x D 162.5" Eng. Works.</p> <p>" Diam. of head 6 3/4"</p> <p>" Mainpiece at top pintle 5 1/2 x 6 3/4"</p> <p>" " heel 5 1/2 x 3 1/2"</p> <p>" how constructed Built and welded.</p> <p>" double or single plate Double .45"</p> <p>" coupling, vertical or horizontal Vertical - 6-2 3/8 dia. bolts.</p>	
<p>PLATING THICKNESS.</p> <p>ins.</p>		<p>STIFFENERS.</p> <p>VERTICAL.</p> <p>HORIZONTAL.</p>	
<p>ins.</p> <p>Scantlings.</p> <p>Spacing.</p> <p>ins.</p>		<p>ins.</p> <p>Scantlings.</p> <p>Spacing.</p>	
<p>MIDSHIP BULKH'D, Upper tween decks .25 4x3x1/2 OA 31 1/2</p> <p>" " Second - - - - -</p> <p>" " Third - - - - -</p> <p>" " Holds Fr. 69 .31 5x3x.31 OA 28</p>		<p>COLLISION " (in Hold Fr. 96 .38-30 5x3x.38 OA 24 1 Strg. 6'-0"</p> <p>AFTER PEAK " Fr. 6 .2-31 3 1/2 x 2 1/2 x 5 1/2 27</p>	
<p>STEEL.</p>		<p>Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth.</p> <p>Steel Co. of Canada, Algoma Steel Products Co., Manitoba Rolling Mills, Phoenix Iron Wks., Carnegie Illinois, Dominion Foundry, Dominion Steel & Coal Co., Bethlehem Steel Co.</p> <p>Has the Steel been tested as required by the Rules? Yes. (Partly by American Bureau).</p>	

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT SPECIFIED	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.				
F-18711	1st Bower.....	2763	lbs.	✓	-	-	-	55440	lbs.	✓	25½	"Baldt" type	Westland	Vancouver, B. C.
F-18710	2nd "	2762	lbs.	✓	-	-	-	55440	lbs.	✓	25½	Stockless (C.S.)	Iron and	20th December, 1945
F-18709	3rd "	2757	lbs.	✓	-	-	-	55440	lbs.	✓	25½	"	Steel	N. Nielsen ✓
-	Collective Weight.	8282		✓							76½. 73		Foundries,	
F-18708	Stream	910	lbs.	✓	-	-	-	23184	lbs.	✓	8 (specified).	"	Ltd., Vanc.	

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.	Statio- ing.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Cir.		Fathoms.	Cir.
F-16885	212	1 1/2	132	135	27450 lbs	27104 lbs	210	1 1/2	H. T. Steel Weld Products, Vancouver, B. C.	Vancouver B. C.	13th Sept. 1945	TOW LINE	90	3 1/2	29	90	3 1/2
	✓	✓	✓	✓	✓	✓	✓	✓				HAWSERS & WAIRS	90	6	-	90	6
											H. J. Rees	"	90	5	-	90	5
Iron Steam Chain or Steel Wire	80	3 1/2	295	295	-	-	75	3 1/2	FSWR 6 x 12			"					

Steering Gear, Type (Power or hand) Steam with telemotor control. Alternative Means of Steering Hand steering gear.
3 @ 24.1'x8.1'x3.4'
Steering Chains (Size and Test) - Windlass Steam 9" x 10" Boats 1 @ 24' x 8'x3.5" with motor
Ceiling in Holds, thickness and material None fitted. Cargo Battsens, thickness, material and spacing 2" B.C. Fir. 9" clear
Cargo Hatchways.—(Upper Deck) Steel plates and angles Thickness of Hatches 2 1/2" B.C. Fir.
Tonn. Hatch
Size of Hatchways No. 1 (Fwd.) 28'0"x14'0" No. 2 52'0"x14'0" No. 3 4'6"x14'0" No. 4 - No. 5 - No. 6 -
Number of Shifting Beams No. 1 - 5. No. 2 - 10
and for Fore and Afters
VICTORIA MACHINERY DEPOT CO., LTD.
Builder's Signature W. S. Hume

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..... **Yes** ✓
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo..... **No** ✓..... 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 ship has been constructed in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans.

The materials and workmanship are of good quality. ✓
The double bottom, cofferdam, peaks, auxiliary ballast, feed, fresh water and O.F. settling tanks, decks, bulkheads, watertight ship's side doors, steering gear and windlass have been tested as required by the Rules and found satisfactory. ✓

The freeboards assigned by the Committee have been marked on the ship's sides, verified, cut in and painted. ✓

Oil is carried as fuel in the double bottom tanks (except in way of No. 1 D.B. tank) and in 2 settling tanks, situated at fore end of boiler room. The flash point of the oil is not lower than 150° F. and Section 20 of the Rules has been complied with.

The ship has also been surveyed during construction on behalf of the Minister of Munitions and Supply of Canada in accordance with the Hull Specification requirements which have been satisfactorily carried out. ✓

This ship is now laid up at Victoria, B. C., awaiting disposal by War Assets Corporation.

The amount of Entry Fee £ 15 00 :
 Load Line Fee \$40.00
 Special Survey Fee..... £ 400 00 :
 Travelling Expense, if any £ 75 00 :
 600 00
Owners Representation
 State whether the Vessel has been built under Special Survey..... **Yes**
 Certificate to be sent to..... Date of issue..... 26/8/46.

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed ~~100~~ 100 A1 with freeboard, fitted for oil fuel 5,46, F.P. above 150°F.

Signature *J. H. Lucas*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute/ FRI. 23 AUG 1946
Character assigned. + 100 A₁ with faceboard.
Lloyd's A.R.C.P. Kelly, aft.
+ L.M.C. 5-46, Fitted for oil fuel 5-46. F.P. above 150°F
Z.D. - O.G.
Write ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~minutes~~ ^{minutes}.
9. ~~100~~ ¹⁰⁰ ~~with~~ ^{with} ~~faceboard~~ ^{faceboard}.

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.)

This ship is the third of the "B" Type Coasters built by the Victoria Machinery Depot Co. Ltd., to the order of the Minister of Munitions & Supply of Canada and is a sister ship to the Victoria Machinery Depot Co. Ltd. Hull No. 40, S. S. "OTTAWA PASQUA" (Ver. Report No. 6845).

The approved plans have been retained here for dealing with sister ships building and to be built. Blue print of midship section plan (as built) forwarded herewith. Interim certificate issued - copy attached.

A copy of each of the following certificates attached hereto:

Certificate No. F-18568 for cast steel stern frame.
Certificate No. F-18725 for rudder.
Certificate No. F-18735 for steam steering engine, quadrant and tiller.
Certificate No. F- 7351 for windlass.
Certificate Nos. F-16380,F-16520 }
F-16307,F-16338 } for winches.
F-16279,F-16357 }
Certificate No. 510 for capstan.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel, tank top, tank margin, oil settling tanks, W.T. Blkds., all decks & shell plating, casings & deck houses; Seams of tank top, W.T. Blkds., oil settling tanks, casings and deck houses; Stiffeners on W.T. blkds., oil settling tanks, inside chain locker, casings & deck houses; W.T. Blkds., to tank top; settling tank ends to side frames; all structure inside double bottom tanks (excluding frames to shell). Upper deck welded to shell in way of fore-castle space; tank side brackets to tank margin; gusset plates to tank margin; main engine seating floors, girders, etc; auxiliary engine seatings; upper & 2nd deck girders to deck; tripping brackets to deck girders and beams; heads and heels of hold & 'tween deck pillars; ventilator coamings to decks; deck houses to decks; masts & derrick posts, deck fittings & minor items.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Part Welded, machinery aft, cruiser stern.

Fitted for oil fuel - F.P. above 150°F.

	HEAD	SHANK
Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 2038 lbs. N.N. F-18614 26-11-45 2nd " 2034 lbs. N.N. F-18613 26-11-45 3rd " 2030 lbs. N.N. F-18612 26-11-45 Stream 635 lbs. N.N. F-18513 29-10-45	610 lbs. N.N. F-18614 8-11-45 613 lbs. N.N. F-18613 4-10-45 612 lbs. N.N. F-18612 23-10-45 250 lbs. N.N. F-18513 29-10-45

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Fore-castle 29.9 ft. (in feet and tenths). When the Poop or Fore-castle are joined to the B.D., this should be distinctly stated

Official No. Signal Letters Extreme Breadth over Belting 37.9 ft. Over-all Length 224.2 ft.

No. and Material of Decks 1 DK. & SH. DK. Steel - Exposed upper deck sheathed with 2½" B.C. Fir.

Parts of Bottom of Vessel coated with cement or approved composition No. 1 D.B. Tank, Fore & Aft Peak Tanks, F.W. Tanks, (frames 93-96)-Cement wash; Hold Bilges - "Farbertite". Bottom of vessel not coated where oil fuel carried in Nos. 2 & 3 D.B. Tanks and No. 4 D.B. Tank under Boilers.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

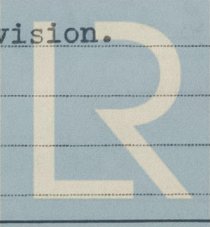
Where Fitted.	Length. Feet.	Water Capacity. S.W. Tons.	Where Fitted.	Length. Feet.	Water Capacity. S.W. Tons.
Double bottom, aft,	—	—	Fore peak tank,	—	37
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	24
Double bottom, if under Engines only, Cofferdam	2.0	—	Deep tank, aft,	—	—
Double bottom, under Boilers only, No. 4	20.0	20.0	Deep tank, forward, { (upper & lower)	—	—
Double bottom, forward, No. 1, 2 & 3	120.0	240.4	Other tanks, if fitted, { F.W. tanks Frs. 93 & 96	6	77
Total length (if continuous) and Capacity	144.0	260.4	(If necessary, furnish further information by sketch.)		

Continuous attendance from 30th October, 1945 to 18th May, 1946, for Classification and Owners' supervision.

Order for Special Survey No. 117

Date 28-12-44

Dates of Surveys held while building



Lloyd's Register Foundation