

STEEL STEAMER or MOTORSHIP.

26 FEB 1943

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 - Now**Date of completion of report **30th December, 1942** Port of **Vancouver, B. C.** No. **5856**Survey held at **Vancouver, B. C.** Date First Survey **3rd Sept., 1942** Last Survey **17th December, 1942**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Steel Single Screw Steamer "FORT LA TRAITE"**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **C.S.S. with T.O. closed** State Type of Erections **—**

TONNAGE under Tonnage Deck....	6704.21	CLASS *100 A1 with State if with freeboard Yes	Built at Vancouver, B. C.
Do. of space or spaces between Tonnage Dk. and Upper Dk.	—	Freeboard corresponding to a Summer Mld. Dft. of 26'-10"	Launched Oct. 30th, 1942 Yard No. 111
Total	—	Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 416.0	Builders West Coast Shipbuilders, Ltd.
Gross Tonnage 7134.05		Breadth (greatest moulded) B 56.88	Owners Minister of Munitions & Supply of Canada.
Register Tonnage 4243.98		Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.33	Managers Radcliffe (Evan Thomas) & Co. (Where necessary to be entered in Reg. Book.)
REGISTERED DIMENSIONS. FEET.		1st Longitudinal Number (L x D) = 15529	Residence Cardiff.
Length 424.6		2nd Numeral L x (B + D) = 39191	Port of Registry —
Breadth 57.2		Framing Depth "d," at middle of length. See Sec. 3 (1d) 25.08	If surveyed while building, afloat, or in dry dock —
Depth 34.9		Proportions—Depth to Length — Uppermost continuous deck to top of keel 11.14	Whilst building and afloat.
		Do. Long Bridge to top of keel —	
		Draught Moulded 26.86	

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.....	30		Bracket Floors, Frame	—	
" " from $\frac{3}{8}$ length amidships to Collision bulkhead.....	27		" " Reversed Frame	—	
" " in peaks	24		" " Vertical Struts	—	
SIDE FRAMING.			Centre Girder, depth and thickness amidships 43½ x 9/16		
Frame Amidships, Angle, [or]	12x4x4x.47		" " top Angles 3½x3½x.44		
" " Extends up to.....	2nd Dk.		" " bottom Angles 4x4x.50		
Reversed Frame Amidships, Angle.....	—		Side Girders, No. each side and thickness.....	One	
" " Extends up to.....	—		BA's. Top and Bottom 6x3½x.44		
Depth of Framing Girder.....	12		Margin Plate depth (excl. of flange) and thickness 40½ x 9/16		
Frames in Uppermost Continuous 'tween Decks, Angle [or]	6x3½x.50		" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem Welded to Tank side Brackets		
" " Second 'tween Decks, Angle, [or]	—		" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area Continuous		
" " No. 1 Hold (Frs. 135-162) 15x4x4x.625	CH.		" " Gussets, spacing and scantling abaft ¼ len. from stem Fr. 144		
" " No. 2 " (Frs. 106-135) 12x4x4x.625	CH.		" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area Fr. 144		
" " from ½ len. for'd. to 15% len. from Stem	12x4x4x.625		Tank Side Brackets, height above base line at toe of Frame and thickness 104½ x 7/16"		
" " in Peaks, Angle [or]	8x3½x.34				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	½ at 6½Dias.		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake.....	84 x 1/2	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds	7/16	
Are the scantlings and arrangements in way of the Bottom Forward 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	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	—		Uppermost Continuous Deck, amidships 8x3½x.48		
Height of Brackets at side above base line at toe of frame	—		" " in Wells, Angle [or]		
Middle Line Keelson, on Floors, Angles, [or]	—		" " in way of Bridge, Angle, [or]		
" " Through Plate or Intercoastal Plate.....	—		Spacing	Every frame 9x3½x.38	
" " Foundation Plate on Floors	—		Second Deck, amidships, Angle, [or]	12x4x4x.47	
" " Flat Plate Keel Angles	—		Spacing	Every Frame	
Side Keelsons, No. each side	—		Third Deck, amidships, Angle, [or]	—	
" " thickness of Intercoastal Plate.....	—		Spacing	—	
" " Angles	—		Fourth Deck, amidships, Angle, [or]	—	
DOUBLE BOTTOM.			Spacing	—	
Solid Floors, thickness and spacing	11/32 at 30"		Poop Deck, Angle, [or]	—	
" " Are Frame and Reversed Frame joggled?	Yes		Spacing	—	
Bracket Floors, breadth and thickness at middle line	—		Bridge Deck, Angle, [or]	—	
" " breadth and thickness at margin plate	—		Spacing	—	
			Forecastle Deck, Angle, [or]	—	
			Spacing	—	

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 One - in tween decks only.			Stringer Plate, breadth and thickness in way of Bridge	—	
" " " " " " " "	6 x 6 x 5/8 on alt. frs.		Thickness of Plating abreast Deck openings } in way of Wells }	11/32 ✓	
" " " " " " " "	—		Thickness of Plating abreast Deck openings } in way of Bridge }	—	
" " " " " " " "	—		Thickness of Plating within line of openings..	11/32 ✓	
" " " " " " " "	—		If Sheathed, material and thickness.....	—	
Centre Line Bulkhead. in Holds	12x4x7/16 on alt. frs. 5/16		Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	—	
Plating, thickness of.....			If Plated, state thickness.....	—	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	—	
Stringer Plate, breadth and thickness in Wells	61 x 5/8 ✓		If plated, state thickness.....	—	
" " " " " " " "	—		Poop Deck.		
" Angle in Wells.....	6 x 6 x 5/8 ✓		Stringer Plate, breadth and thickness.....	—	
Thickness of Plating abreast Deck openings } in way of Wells}	9/16 ✓		Plating, Sheathing, material and thickness....	—	
Thickness of Plating abreast Deck openings } in way of Bridge)}	—		Bridge Deck.		
Thickness of Plating within line of openings..	3/8 ✓		Stringer Plate, breadth and thickness.....	—	
If Sheathed, material and thickness	—		Plating, Sheathing, material and thickness.....	—	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	50 x 7/16 ✓		Stringer Plate, breadth and thickness.....	—	
			Plating, Sheathing, material and thickness.....	—	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

For record: 7BH (Call 6 Wdk, 6 to 2nd dk) (directional WT BHs in Topcon dks)
Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) One (1) (Coll. on Fr. 162)

Deck next below Seven (7) {93, 106 and 135}

In Tween Decks - Six divisional W.T. Bkds. (Frs. 19, 40,
As per Rule..... Seven (7) 66, 93, 106 & 1

As per Rule

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
		O.A.			
MIDSHIP BULKH'D,	{Fr. 93 Upper tween decks	1/4	6x3 1/2 x 38	30"	
"	" Second "	-	-	-	
"	" Third "	-	-	-	
"	" Holds	1/4 - 3/8	12x3 1/2 x 3 1/2	30"	
COLLISION	" (in Hold)	Fr. 162 11/32 - 1/2	7x3x.36 BA	24"	3 Strgrs. 6'-0"
AFTER PEAK	"	Fr. 12 5/16 - 11/32	7x3x 38 BA	24"	" "

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat Plate		
STEM	Upper	M. S. Fashion Plate		
	Lower	10" x 12" Algoma Steel Co.		
5) STERN { Propeller Post		As rd		
FRAME { Rudder		C.S. App (Vanc. Eng. Wks.)		
		-	-	-
Speed of Vessel		Not exceeding 12 Knots		
RUDDER—Type		Semi-Balanced Streamlined		
" A X D		282		
" Diam. of head		9 1/4"		
" Mainpiece at top pintle		12" Dia.		
" " heel		9 1/4"		
" how constructed		Built, Riveted & Welded		
" double or single plate		Double		
" coupling, vertical or		Horizontal		
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Process
The Steel Co. of Canada Ltd., Bethlehem Steel Co., American Steel Co., Central Iron
& Steel Co., The Phoenix Iron Co., U.S. Steel Corp., Manitoba Rolling Mills Co. Ltd
& Algoma Steel Products Co. Ltd
 Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. <u>39800</u>										LETTER <u>at</u>		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY SPECIFICATION	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		<small>Gross. net. lbs.</small>	<small>Cwts.</small>	<small>qrs.</small>	<small>lbs.</small>	<small>Tons.</small>	<small>cwts.</small>	<small>qrs.</small>	<small>lbs.</small>	<small>Cwts.</small>			
<u>F. 5037.</u>	1st Bower.....	<u>7882 lbs.</u>	-	-	-	<u>52</u>	-	-	-	<u>68</u>	{ "BALOT" TYPE.	{ VULCAN IRON	{ WINNIPEG.
<u>F. 5039.</u>	2nd "	<u>7789 lbs.</u>	-	-	-	-	-	-	-	<u>68</u>			
	3rd "												
	Collective Weight.	<u>15621 lbs.</u>								<u>136</u>			
<u>F. 5010</u>	Stream	<u>2786 lbs.</u>	-	-	-	-	-	-	-	<u>23 3/4</u>	"BALOT" TYPE C.S. STOCK/LESS.	VULCAN IRON WORKS LTD	WINNIPEG. 29. 10. 42. J. F. HIND.

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE		Length and Size per Certificate.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Certificate.	
	Length.	Diam.		Supplied.	Per Note SPECIFICATION	Length.	Diam.					Length.	Cir.		Length.	Cir.
<u>1582</u>	<u>225</u>	<u>2 7/16</u>	<u>A 303920 lbs</u> <u>B 421630 lbs.</u>	<u>10421 lbs.</u>	<u>600.</u>	<u>225</u>	<u>2 7/16</u>	<u>C.S. STUD LINK.</u>	<u>NATIONAL MALLEABLE STEEL & CASTINGS CO.</u>	<u>SHARON, PA.</u> <u>28-11-42</u> <u>A.T. GRIMES.</u>	<u>TOWLINE</u>	<u>123 1/2</u>	<u>4 3/4</u>	<u>77.6</u>	<u>120</u>	<u>4 3/4</u>
											<u>HAWSERS & WARPS</u>	<u>185</u>	<u>2 3/4</u>	<u>16.57</u>	<u>2090</u>	<u>2 3/4</u>
												<u>185</u>	<u>2 1/2</u>	<u>15.3</u>	<u>2090</u>	<u>2 1/2</u>
Iron Stream Chain or Steel Wire	<u>92 1/2</u>	<u>5"</u>	<u>70WS.</u> <u>60.5.</u>	-	-	<u>90</u>	<u>5"</u>	<u>G.S.W.R.</u>	<u>BRITISH ROPES CANADIAN FACTORY LTD</u>	-						

Steering Gear, Type (Power or hand) Steam with telemotor control Alternative Means of Steering Blocks and tackle to aft.
warping winch.

Steering Chains (Size and Test) -- Windlass Steam 11" x 13" Boats 2020'-0"
1026'-0"
1028'-0" (Motor)

Ceiling in Holds, thickness and material 2 1/2" B.C. Fir Cargo Battens, thickness, material and spacing 1 1/2" B.C. Fir
9" Clear

Cargo Hatchways.—(Upper Deck) Steel plates and angles Thickness of Hatches 3" B.C. Fir

Size of Hatchways No. 1 (Ewd.) 33'-9"x20' No. 2 35'x20' No. 3 15'x20' No. 4 35'x20' No. 5 35'x20' No. 6 8'x20' Cross Bunker

Number of Shifting Beams Nos. 1, 2, 4 & 5 — each 5' No. 3 2' No. 4 2' No. 5 2' No. 6 2' Cross Bunker 1 1/2'

Builder's Signature

General Manager

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. No
(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 accordance with the approved plans, instructions and printed Rules of the Society. The materials and workmanship are of good quality. The double bottom tanks, peaks, deep tanks and fresh water tanks, decks, bulkheads, tunnels, watertight doors, steering gear and windlass have been tested and found satisfactory. The freeboards assigned by the Committee have been marked on the ship's side and verified. The equipment of anchors and chain cables is in accordance with the War Emergency Reduction of Equipment requirements. Regarding the anchors all the requirements of Sections 12 & 13 of the Rules for Quality and testing of materials have been carried out except the Statutory tests of Section 12 for which tensile tests on the materials of head and shank were substituted, (28 tons per sq. inch minimum with usual extension). It is recommended that a suitable Notation be entered on the First Entry Certificate because of these departures from the Rules. This ship has been surveyed on behalf of the Minister of Munitions & Supply of Canada in accordance with the Hull Specification requirements, which have been carried out to my satisfaction.

The amount of Entry Fee £\$ 50.00Special Survey Fee..... £\$ 2145.00Travelling Expense, if any £\$ 50.00Owner's Rep. \$ 1000.00

Fees applied for,

22nd Dec. 42

Received by me,

19

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

We ARE

of opinion the Vessel should be Classed +100 A1

with Freeboard

State whether the Vessel has been built under Special Survey. YesCertificate to be sent to New YorkDate of issue 7th April 1943

Signature

H. Perry, and J. Caldwell.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 2 MAR 1943

Character assigned

+100 A1With freeboardBulk of Shell etc. fitted Elec. Weld.P.L. E.D.note for S.R.F.Write to+Limb 12.4220. CL.

The Surveyors are requested not to write on or below the Committee's Minutes.

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Lloyd's Register Foundation

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 eleventh of this type to be built by the West Coast Shipbuilders, Ltd., to the order of the Minister of Munitions & Supply of Canada and is a sistership to the West Coast Shipbuilders Yard No. 101- "FORT CHILCOTIN" (Vancouver Report No.5764)

The approved plans have been retained for sisterships building and to be built.

Blue print plan of the Midship Section is forwarded herewith.

Interim Certificate issued - copy attached.

Immersed main ship's side openings Certificate issued - copy attached.

A copy of each of the following Certificates attached hereto:-

No. F-4446 for cast steel stern frame.

No. F-4882 for rudder.

No. F-4670 for steam steering engine, quadrant and tiller.

No. F-4803 for windlass.

Nos. F-1715, F-1760, F-4822, F-4821, F-1590, F-1717, F-4823, F-4464, F-1761, F-1759, F-3783 for winches.

Nos. F-5037, F-5039, F-5010 for Anchors.

There are six divisional bulkheads in the tween decks, all watertight having tonnage openings closed with rivetted plates, except on bulkhead No.93 (between tween deck bunker and No.3 tween deck, which has steel hinging W.T. doors,

All tween deck bulkheads have been hose tested and found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) D.B. Tanks, W.T. floors, margin plates to shell, to side frame margin brackets and to floors, gusset plates to tank top and frame brackets, hold bulkheads to tank top, 2nd deck closing plates to shell and frames, plate butts of shell, tank top, tunnel top and sides, 2nd deck, upper deck, centre girder and hatch side girders, other items of minor importance. ELECTRODES: Complying with section 4, paras. 1 to 9 of the Rules have been employed for manual welding, and the Rules for the Application of Electric Welding to Ship Construction have been complied with.

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

Cruiser stern, Direction finding apparatus, Echo Sounder, Wireless.

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

1st Bower	5730 lbs.	J.F.H.	F5037	17-11-42
2nd "	5660 lbs.	J.F.H.	F5039	17-11-42
Stream	2051 lbs.	J.F.H.	F5010	29-10-42

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

Official No. Signal Letters Extreme Breadth over Belting No belting Over-all Length 439.6'
(Circ. 1611) (Circ. 1703)

No. and Material of Decks Two - steel

Parts of Bottom of Vessel coated with cement or approved composition D.B. Tanks:- Cement washed and fillets on bottom shell, except in way of E & B space where there is 1½" cement on bottom shell, cement washed elsewhere throughout. Bitumastic Solution and enamel on tank top in E & B spaces. Steelwork in bilges cement washed throughout.
Particulars of composition (if fitted) and of approval Bitumastic Solution and Enamel.

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.				Where Fitted.			
		Length.	Water Capacity.			Length.	Water Capacity.
		Feet.	Tons.			Feet.	Tons.
Double bottom, aft, Nos. 7 & 8	S.W.	135.0	306	Fore peak tank,	S.W.	22.	145
Double bottom, under Engines and Boilers,		--	--	After peak tank,	S.W.	24.	160
Double bottom, if under Engines only, No.6	S.W.	25.0	106	Deep tank, aft, Port	S.W.	20.	390
Double bottom, if under Boilers only, No.5	S.W.	20.0	89	Deep tank, forward, Starboard	S.W.	20.	375
Double bottom, forward Nos.1,2,3, & 4	S.W.	188.25	648	Other tanks, if fitted,		--	--
Total length (if continuous) and Capacity		368.25	1149	(If necessary, furnish further information by sketch.)			

Order for Special Survey No. 59

Date 30-3-42

Dates of Surveys held while building

1942. Sept. 3,17,18,20,28,30. Oct. 1,2,3,13,17,19,20,22,23,24,26,27,28, Oct. 29,30. Nov. 16,17,20,21,23,24,25,26,30. Dec. 1,2,3,4,8,10,11,12,14,15,16,17.