

STEEL STEAMER OR MOTORSHIP.

DISCLOSED
Received at London Office

04 FEB 1958

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 8th January, 1958 Port of Victoria, B.C. No. 10246

Survey held at Victoria, B.C. Date First Survey 24th June, 1954 Last Survey 16th December, 1957

On the (State if Machinery fitted Aft and if Single, Twin or Triple Srac) Steel Twin Screw RCN Water Boat "YSW 220"

Type { Full Scantling, Complete Superstructure
with or without Tonnage Openings } Special Type, Government Service State Type of Erections Flush Deck

under Deck ... }	108.83
ace or spaces Tonnage Dk. per Dk. }	-

nage 112.33

Tonnage 76.38

STERED DIMENSIONS.

FEET

100.0

18.1

7.8

CLASS 100A for Government *State, if with freeboard* } **No**
as condition of Class
Service on West Coast *Freeboard Assigned*
of Canada **Length** *from fore part of stem to after part of stern* } **L** 98.75
post on summer L.W.L. See Sec. 3 (1a)
Centre Rudder Stock
Breadth *(greatest moulded)* } **B** 18.0
Depth, *at middle of length from top of keel to top* } **D** 7.75
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)
1st Longitudinal Number $(L \times D)$ = 765.3
2nd Numeral $L \times (B + D)$ = 1542.8
Framing Depth *"X" at middle of length. See* } 6.75
Sec. 3 (1d). Sec. 2 - 205
Proportions—Depth to Length—Uppermost con- } 13.5
tinuous deck to top of keel
Do. Long Bridge to } -
top of keel
Draught Moulded 6'-2-3/4"

Built at Victoria, B.C.

Launched 6th May. 1955 Yard No. 60

Builders Victoria Machinery Depot Co. Ltd.

Owners Department of National Defence
Naval Service

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

Residence Ottawa, Canada

Port of Registry Naval Ship, not registered

If surveyed while building, afloat, or in dry dock

Building, afloat and Marine railway

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.
MES, Spacing amidships.....	21		Bracket Floors, Frame	-	
" " from 1/2 length amidships to Collision bulkhead.....}	21		" " Reversed Frame.....	-	
" " in peaks	21		" " Vertical Struts	-	
FRAMING. inverted 3/2 2/2 4 ✓			Centre Girder, depth and thickness amidships	-	
ame Amidships, Angle, 2 2 1/2 1/4	3-1/2 2 1/2 1/4		" " top Angles	-	
" " Extends up to Main deck ✓			" " bottom Angles.....	-	
deep 6 3 1/2 5/16 ✓	6 3 1/2 5/16		Side Girders, No. each side and thickness.....	-	
Reversed Frame Amidships, Angle, inverted 6 3 1/2 5/16 ✓	6 3 1/2 5/16		Margin Plate depth (excl. of flange) and thickness	-	
" " Extends up to main deck ✓			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	-	
pth of Framing Girder.....	3-1/2		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	-	
ames in Uppermost Continuous 'tween Decks, Angle, [or [.....	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	-	
" " Second 'tween Decks, Angle, [or [.....	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-	
" " Third " " " "	-		Tank Side Brackets, height above base line at toe of Frame and thickness	-	
from 1/2 len. for'd. to 15% len. from Stem angle 3-2- 1/2 1/2 1/4 ✓	3-2- 1/2 1/2 1/4		INNER BOTTOM PLATING.		
in Peaks, Angle 2 2 1/2 1/4			Breadth and thickness of Middle Line Strake....	-	
diameter and Spacing of Rivets through Frame and Shell Plating amidships	welded		Thickness of remainder in Holds	-	
ate if Frame Joggled.....	No		Are Rule requirements complied with regard- ing increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?.....	-	
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		BEAMS.		
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		Uppermost Continuous Deck, inverted 3/2 2/2 4 ✓		
LE BOTTOM.			Wells, Angle, [or [.....	3-1/2 2 1/2 1/4	
doors, Depth and thickness at mid-line in Holds.....	12 1/4 3" flange ✓		" " in way of Bridge, Angle, [or [.....	-	
Height of Brackets at side above base line at toe of frame.....	12 none		Spacing	21	
iddle Line Keelson, on Floors, Angles, [or [.....	-		Second Deck, amidships, Angle, [or [.....	-	
" " " Through Plate or Inter- costal Plate	12 x 5/16 ✓		Spacing	-	
" " " Foundation Plate on Floors	10 x 5/16 ✓		Third Deck, amidships, Angle, [or [.....	-	
" " " Flat Plate Keel Angles Welded			Spacing.....	-	
ide Keelsons, No. each side.....	one		Fourth Deck, amidships, Angle, [or [.....	-	
erlocked with floors			Spacing.....	-	
" " thickness of Intercoastal Plate.....	12 x 1/4		Poop Deck, Angle, [or [.....	-	
" " Angles Rider plate 4 x 5/16 ✓	4 x 5/16		Spacing.....	-	
UBLE BOTTOM.			Bridge Deck, Angle, [or [.....	-	
olid Floors, thickness and spacing none	-		Spacing.....	-	
" " Are Frame and Reversed Frame joggled?	-		Forecastle Deck, Angle, [or [.....	-	
Bracket Floors, breadth and thickness at middle line	-		Spacing.....	-	
" " breadth and thickness at margin plate.....	-				

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 Ex. heavy pipe	4" diam.	✓	Stringer Plate, breadth and thickness in way of Bridge	-	
Mach. Space			Thickness of Plating abreast Deck openings in way of Wells	-	
" in 'tween Decks, Size and Spacing	2 off 3' from C.L.	✓	Thickness of Plating abreast Deck openings in way of Bridge	-	
" " " " "	-		Thickness of Plating within line of openings	-	
" in Holds " " "			If Sheathed, material and thickness	-	
" " " " "			Third Deck.		
Centre Line Bulkhead. From 18-42	12 2 1/2 1/4	✓	Stringer Plate, breadth and thickness	-	
Stiffeners and Spacing O.A. inverted	31/21/21/4	✓	If Plated, state thickness	-	
Plating, thickness of	5/16-1/4	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness	-	
Uppermost Continuous Deck.			If Plated, state thickness	-	
Stringer Plate, breadth and thickness in Wells			Poop Deck.		
" " " " in way of Bridge			Stringer Plate, breadth and thickness	-	
" Angle in Wells None	all 1/4" thick	✓	Plating, Sheathing, material and thickness	-	
Thickness of Plating abreast Deck openings in way of Wells	welded		Bridge Deck. Deckhouse top		
Thickness of Plating abreast Deck openings in way of Bridge			Stringer Plate, breadth and thickness	3/16 welded	
Thickness of Plating within line of openings			Plating, Sheathing, material and thickness	-	
If Sheathed, material and thickness	not Sheathed	✓	Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness	-	
Stringer Plate, breadth and thickness in Wells	-		Plating, Sheathing, material and thickness	-	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPE LAPPE
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	36"	3/8"	3/8"	3/8"								
" Dblg. (if any)	none											
Bottom Plating, No. of Strakes one..A.....	66	5/16	3/8	3/8		All seams and butts welded						
Bilge Plating, No. of Strakes one..B.....	48"	5/16	3/8	3/8		no overlaps ✓						
Sheer strake Side Plating, No. of Strakes one..C.....	60"	5/16	5/16	5/16								
Upper Deck, Sheer- strake in Wells.....	-											
Upper Deck, Sheer- strake in Bridge ...	-											
Strake below Sheer- strake in Wells.....	-											
Strake below Sheer- strake in Bridge ...	-											
Poop Side Plating.....	-											
Bridge Side Plating.....	-											
Forecastle Side Plating	-											

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c) Seven Frs.	3, 8, 18, 30, 42, 48, 52
" Deck next below	-
As per Rule	Three

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any De from Plans to
KEEL, Bar	3/8 flat plate			✓
STEM	5"x1" MS flat x 3/8"			✓
STERN FRAME	Propeller Post } Twin skegs			✓
	Rudder } fabricated EW			✓
Speed of Vessel	10 knots			✓
RUDDER—Type Twin	7" apart Spade Type semi			✓
" A x D	7.76 x .583 = 4.5			tificat
" Diam. of head	Forging 3" to 3-3/4"			mm
" Mainpiece at top	Forging 3-3/4"			bar
" heel	2"			✓
" how constructed	Fabricated E.W.			✓
" double or single plate	Single 5/8" thick			✓
" coupling, vertical or horizontal	Horizontal			✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	-				
" " Second	-				
" " Third	-				
" " Holds Fr. 30	5/16	31/2x21/2x5/16	27"		
" " in ballast tank					
COLLISION " (in Hold Fr. 52)		3"x2"x1/4"	18"		none
AFTER PEAK (Steering Fr. 3)	1/4"		24"		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open Hearth
	Bethlehem Steel Co., Steel Co. of Canada, Columbia Geneva Steel Corp.	
	Has the Steel been tested as required by the Rules?	Yes

EQUIPMENT No.

LETTER

ANCHORS.

Particulars of Note	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.				
19	1st Bower ...	305	✓						11760	✓		USN LWT	Baldt Anchor	Chester Pa.
20	2nd ,, ...	305	✓									Danforth	Chain & Forge Co.	9.56
	3rd ,, ...											✓	✓	D.J. Archibald
	Collective weight													LR
21	Stream	60	✓						6800	✓				✓

CHAIN CABLES.

HAWSERS AND WARPS.

Particulars of Note	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.	
	Fathoms.	Ins.	Stations.	Break- ing.	Supplied.	Per Rule.		Fathoms.	Diam.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
6	120	5/8	✓	✓	3136					Di- Lok	Baldt Anchor Chester Pa Chain & Forge Co.	1.11.56	MOVLINE					
											✓		HAWSERS & WARPS	90	5"	hemp.		
																Naval Supply	✓	
5	6	7/16	✓	✓	69					Di- Lok	do	do	LR					

Steering Gear, Type (Power or hand) Hydraulic hand

Alternative Means of Steering Block & tackle
one 13 ft. lifeboat

Chains (Size and Test) None

Windlass Electric Motor drive Boats 6 persons

Holds, thickness and material None

Cargo Battens, thickness, material and spacing None

Hatchways.—(Upper Deck) Five, steel coamings with hinged steel covers Thickness of Hatches 1/4" steel

Hatchways No. 1 (Fwd.) 26" x 26" No. 2 26" x 26" No. 3 26" x 26" No. 4 26" x 26" No. 5 25" x 25" No. 6 -

Fore and Afters

VICTORIA MACHINERY DEPOT CO. LTD.

Builder's Signature

Per

GENERAL MANAGER

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. —
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
indicated, together with the flash point (where required to be inserted in the Notation).

ship has been built under Special Survey in conformity with the Society's Rules and Regulations
the Secretary's letters. The scantlings and arrangements of the Ship are as given in the
t and as shown and amended on the approved plans now forwarded. All modifications or additions
e original approved arrangements made during construction have been indicated on the plans.
ave been approved as being in accordance with, or by standards equivalent to the Rule
rements. The plans (listed overleaf) showing the Ship as built, now forwarded herewith,
been checked with the approved arrangements and found in order. The materials and workmanship
ood. The fore peak and chain locker, ballast tank, oil fuel tanks, FW tank, cargo FW tanks,
d deck, bulkheads, steering gear, auxiliary steering gear and windlass have been tested as
equired by the Rules and found satisfactory. Oil is carried as fuel in two tanks abaft machinery
pace and separate service tank in machinery space. The flash point of the oil is to be above
(General Declaration continued under heading General Remarks)

Amount of Entry Fee.....\$ 375.00 } Fees applied for,
Special Survey Fee.....\$: : } 17.12 19.58
Travelling Expenses, if any\$ 50.00 } Received by me, 19

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

M. Water Tom Ker

I am of opinion the Vessel should be Classed *100A1 for
Government Service on West Coast of Canada.

Signature

Surveyor to Lloyd's Register of Shipping.

ROBERT RENNIE for Self & J.A. STEWART

Certificate to be sent to Vancouver, B.C.

Date of issue

7/5/58

Committee's Minute

TUESDAY 22 APR 1958

Character assigned

+100A1 For service on West Coast of Canada.

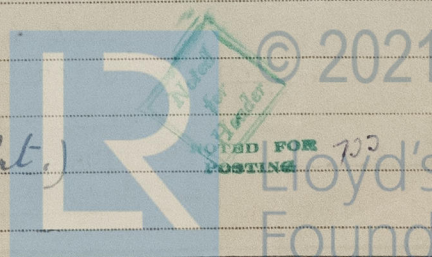
DS 11.57

LACP

+LMC - Subject

+ME made '54 fitted '57 (4 Spl. note on Cl. Cert.)

ES 12.57

White (from)
via V.C.

0027 2/2

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.)

150°F. Fahrenheit and the applicable requirements of the Rules for the carriage and burning of oil fuel have been complied with. The Ship has been placed on marine railway on several occasions since launching and bottom and rudders cleaned, examined and recoated (last docking Survey 1. The ship was built under the survey of the Royal Canadian Naval Overseers also. Copies of the following approved plans showing the Ship as built attached hereto:—

Yarrows Ltd. Dwg. 1 General Arrangement.

" " " 4 Framing Plan.

" " " 5 Deck Plating.

" " " 6 Bulkhead Plan.

" " " 7 Shell Expansion.

Rudder Plan?
Constructional Details
Profile Dwg.
Submitted to Y.S.
Nos 216, 217, 218
219-220

Copies of the following Certificates attached hereto:—

Interim Certificate B., Vcr. Certs. F-20,556 and F-20,557 Rudder & Upper Stock, F-20,593 F-20,608 Rudder Tubes and Toronto Cert. 1.9.55 Steering Gear Assemblies.

PARTICULARS OF ELECTRIC WELDING (if employed) Completely electric welded construction. No riveting

Approved electrodes used and Rules for Electric Arc Welding in ship construction complied with where applicable. Welding X-rayed satisfactorily to R.C.N. requirements.

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

For Government Service on West Coast of Canada.

Elect. welded. Oil Engs. one deck (Stl.) A & C.P.

RADAR Equipment (State if fitted) No

State Type or Pattern No. —

State } Maker
Name } and/or
of } Supplier

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

1st Bower BC 16619) LR 200 D.J.A. 17.9.56
2nd " BC 16620) ✓
3rd " BC 16621 LR 40 D.J.A. 17.9.56

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle —

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. Not registered Signal Letters — Extreme Breadth over Belting 18'-9-1/4" Over-all Length 104'-8-3/4" (Circ. 1611) (Circ. 1703)

No. and Material of Decks one Steel

Parts of Bottom of Vessel coated with cement or approved composition No cement. Bottom painted two coats red oxide and one coat navy grey and except FW cargo tanks 2 coats Quigleys Triple A and one coat navy grey.

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. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank, Chain locker	7.0	—
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	—
Double bottom, if under Engines only,	—	—	Deep tank, aft, 2 OF Tanks	3.5	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward, Ballast Tank Fwd.	7.0	13
Double bottom, forward,	—	—	Other tanks, if fitted, FW tank aft	2.0	—
Total length (if continuous) and Capacity	—	—	(If necessary furnish further information by sketch.) FW Cargo Tanks 1 & 2	21	81
			FW Cargo Tanks 3 & 4	21	81

Order for Special Survey No. 169

Date 16.8.54

Dates of Surveys held while building

1954 - June 24, July 6, 11, 22. August 5, 11, 16, 20, 24, 27. September 7, 14, 21. October 13, 15. November 12, 18, 29. December 30.
1955 - February 2. May 2. June 10. July 20, 27. August 3, 15, 17. November 12, 19.
1956 - January 17. February 22. May 8. June 11. September 28. November 12, 19.
1957 - January 14. Sept. 17. Nov. 1, 6, 15, 19, 21. Dec. 4, 11, 18. Total No. of Visits 104