

REPORT OF SURVEY FOR REPAIRS, &c.

Date of writing Report 5th March 1948 When handed in at Local Office 5th March 1948 Port of Vancouver, B. C.

No. in Reg. Book. Survey held at Vancouver, B.C. Date, First Survey 5 Feb. 1948 Last Survey 3rd March, 1948 (No. of Visits 15)

25228 on the Wood, Iron or Steel Single Screw Steamer "HARMAC CROFTON"

YEAR. MONTH.

TONNAGE:—

GROSS 7161

UNDER DK. 6707

NET 4307

Built at Vancouver, B. C. By whom Burrard Dry Dock Co. Ltd. When 1944 2

Owners Canadian Transport Co. Ltd. Owners' Address

(if not already recorded in Appendix to Register Book).

Managers

Port belonging to Vancouver, B. C.

Surveyed Afloat or in Dry Dock? Both Name of Dock Pacific Dry Dock Destined Voyage U. K.

Cell DB or DBa feet; uE&B feet; f feet }
total capacity tons. FPT. tons; APT. tons; MT. feet tons. }

Only alterations in the existing records of tanks should be inserted.

N.B.—All alterations in the existing records should be underlined.

Last Report, No. 48136 Port N.Y.K.

(Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules and items remaining to complete the Surveys should be summarised. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be summarised in the form shown below. Whenever the replacement of Anchors or Chains is reported the particulars should be clearly stated in the space provided on the back of this form. State also the dates and initials of any letters respecting this case.

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose and to whom and why they were declined

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements)

CHARACTER for Special Survey. Date of last Survey and of Periodical Surveys.	Machinery and Boiler Surveys (including date of N.B., if any).
*100 A1 with freeboard 2,47	*LMC 2,44 BS 2,47 CL 2,47
Fitted for oil fuel 2,44 F.P. above 150°F	118
Society's Freeboard (if assigned) as painted on Ship and now verified	10 ft. 6 3/4 ins.

Was a damage report made by anyone else? if so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR PERIODICAL SPECIAL SURVEY "A", ALTERATIONS AND REPAIRS:—

NOW DONE:— Vessel placed on drydock, bottom and rudder cleaned, examined and recoated.

All holds, 'tween deck spaces, spaces above peaks, chain locker and engine and boiler spaces cleared for examination, ceiling lifted as required, steel work examined and recoated as found necessary.

No. 4 D.B. tank (Boiler feed water), both peak tanks and 2 after deep tanks and 2 cofferdams examined internally and found or placed in good condition and tested in accordance with the Rule requirements.

Nos. 1, 2, 3, 5 & 6 D.B. tanks (used for carrying oil fuel) and the P. & S. oil fuel settling tanks tested in accordance with the Rule requirements and found or placed in good condition.

(P.T.O.)

SUMMARY OF DAMAGE REPAIRS:—

	Shell Plates.	Frames.	R. Frames.	Floors and Bracket Floors	Beams.	Inner Bottom Plates.	Dk. Plates.	Other Items:—
Renewed								
Removed and Fair'd or Repaired								
Fair'd or Repaired in place	6							

PRESENT CONDITION OF THE

Decks	Eff.	Bulkheads	Eff.	Engine Room Skylights	Eff.	Copper, or Y.M. (State if on Felt.)
Caulking of Decks	II	Ceiling	II	Gen'l Bunkers, Openings, Covers, &c.	II	When fitted, Month Year
Coamings	II	Cement or Asphalt	II	Oil Bunkers	II	Boats
Beams & Fastenings	II	Rudder	II	Scuppers	II	Masts, Yards, &c.
Outside Plating	II	Steering gear and its connections	II	Cargo Hatchways	II	Condition, how ascertained from aloft (State if wedges removed.)
" " in way of sidelights	II	Windlass	II	Hatches	II	Equipment letter at 2-1/16"
Frames	II	Have pumps been examined and found efficient?	Yes	Planking		Anchors, No. of 3 B. 1 S.
Reverse Frames	II	Have Sluice Valves been examined and found efficient?		Caulking		Cables (State if now ranged) Yes
Longitudinals	-			Treenails		" length 270 fms. mean diamr 2-1/16" HT (on board)
Transverses	-	Have Watertight Doors been examined and found efficient?	Yes	Breasthooks & Stems		" Rule length 270 fms. size 2-1/16" HT
Doors	Eff.	Have Ventilators and their Coamings been examined and found efficient?	Yes	Transoms, Pointers & Crutches		Chain Locker
Keelsons	II			Timbers of Frame at openings		Hawseers & Warps Sufficient
Rings	II	Air and Sounding Pipes	Eff.	" " at other places		Standing and Running Rigging
Inner Bottom Plating	II	Doubling Plates under Sounding Pipes	II	Stringers, Clamps & Shelves		Sails
Have the Tanks been examined internally? Rpt.	Yes			Salting	(State if examined.)	

General Observations, Opinion as to Class, Recommendation, &c.:—

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example:—"to remain as classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1,38," or "to remain as classed and to have record of survey, 1,38, and the notations of ss No. 1-38."

All the requirements for Special Survey (A) having been complied with this vessel is now in good and efficient condition and, in my opinion, is eligible to remain as classed with fresh record of Survey 3,48 and to have notation of S.S. Vcr. 3,48 in the Register Book. It is recommended that reference in S.R. List No. 90 to equipment be now deleted.

Survey Fee (per Section 29) S.S. \$232.00

Alterations & Special Damage or Repair Fee (if any) (per Sec. 29) \$200.00

Travelling Expenses (if chargeable) \$ 9.00

Second Surveyor's Fee (if any) \$

Fees applied for,

5 Mar. 1948

Received by me,

19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES 27 APR 1948

Character Assigned

3,48 Vcr without spl. cdn.

SS Vcr - 3,48 + LMC 3,48

CERTIFICATE WRITTEN.

003467-003473-0198 1/3

Is Certificate required? If so, to be sent to

NOW DONE:- (Cont'd)

The masts, rigging, anchors and general equipment examined and found or placed in good order.

All decks, hatchways, hatch covers and supports throughout, examined and found or placed in good order.

Ventilators, coamings and covers, quadrant, tiller, steering gear engine (opened up) and its connections and control gear, windlass (opened up) pumps, watertight doors, air and sounding pipes, storm and scupper valves, hold bilge non-return valves and strum boxes examined and found or placed in good order.

The auxiliary steering gear assembled, examined and tested under working conditions and found or placed in good order.

Freeboard verified.

REPAIRS (Wear & Tear) NOW DONE:-

A few scattered slack shell rivets renewed and a number of scattered leaky shell rivets made tight by caulking or welding.

Keel plate No. 3 from forward faired in place.

Shell plates in "A" strake Port and Starboard sides adjacent to keel plate No. 3 faired in place.

Shell plate E. 3 from forward Port side faired in place.

Shell plates H. Nos. 7 & 8 from forward on Port side faired in place in way of upper landing.

2 upper deck beam knees starboard side No. 1 'tween deck space - faired in place.

1 vertical stanchion to hatch end beam forward end of No. 1 'tween deck space

When Anchors or Cables are supplied, the particulars are to be reported in the following form:-

ANCHORS.

Number of Certificate.	Anchors.*	WEIGHT EX. STOCK.		WEIGHT OF STOCK.		TEST PER CERTIFICATE.		WEIGHT REQUIRED BY RULE.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
F19598	1st Bower	8445	✓	1	Stockless	127	120	✓	1	Stockless	Vulcan	Ver. 11-2-48
F19599	2nd "	8438	✓	"	"	127	120	✓	"	"	Iron Wks.	D.J.A.
	3rd "										Wpg., Man.	Ver. 11-2-48
	Collective Weight											D.J.A.
F19600	Stream	3235	✓	1	"	63	280	✓	1	"	"	Ver. 11-2-48
	Kedge											D.J.A.

*When a bower anchor is supplied it must be clearly stated whether it is a 1st, 2nd or 3rd bower.

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per rule.		Description.	Makers of Cables.	When and where tested and Superintendent.
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.			
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.			
Iron Stream Chain or Steel Wire											

removed, straightened and refitted.

After centre line bulkhead bracket, Port side No. 2 lower hold, removed, faired and refitted.

Rudder - fractured welding veed out and rewelded and welded re-inforcing flanged angles fitted in way of offsets on Port and Starboard sides.

A number of scattered leaky rivets and seams in double bottom tank tops made tight by caulking or welding.

(Please see follower)

S.S. "HARMAC CROFTON"

REPAIRS (Wear & Tear) NOW DONE:- (Cont'd)

59 wood hatch covers for upper deck and 27 for lower deck also 6 ventilator plugs renewed.

4 upper deck hatch tarpaulins renewed.

Tank top and spar ceiling, air and sounding pipes and casings also cement chocks in all holds and 'tween deck spaces repaired or renewed where found broken or missing.

Side scuttles throughout ship overhauled and repaired as necessary.

Sundry other minor repairs effected.

S.R. LIST NO. 90 - EQUIPMENT:- 2 bower and 1 stream anchor original equipment removed ashore, submitted to Statutory test in accordance with Rules with satisfactory results and replaced on board.

For particulars relating to this item please refer to space reserved on Page 2 of this Report.

It is recommended that reference to equipment in S.R. List be deleted in the case of this vessel.

ALTERATIONS NOW DONE:-

Riveted doublers fitted on upper deck at after port and starboard corners of No. 3 hatchway in accordance with Canadian Transport Co. Ltd.'s approved plan No.

C.T.V. 10 and satisfactorily hose tested on completion.

Two 12" dia. cowl ventilators to butcher's shop and dry stores in 'tween deck

Port & Starboard sides amidships now removed and deck openings efficiently closed with welded spigot plates.

Additional accommodation - To provide additional accommodation for the crew the

existing amidships accommodation casing (Engineers) extended forward on Port and

Starboard sides for a length of 25'-7". This alteration does not change the

equipment letter. Scantling of additional steelwork similar to existing casing.

The port and starboard passageways between the accommodation and the machinery

and boiler room casing now closed at the forward end with welded steel plates and

access to these passageways is provided by means of approved type W.T. steel

doors with 24" coamings fitted in line with the galley entrance.

2 additional 16" side scuttles having efficient deadlights are fitted on the

outboard, Port and Starboard sides of the new casing.

One additional cast steel storm valve with a S.D. cast steel non-return valve

from new lavatory on starboard side installed in an easily accessible position

below the second deck on starboard side in way of boiler room and operated from

above the freeboard deck and provided with means for indicating whether open or

closed.

Additional electrical fittings all installed in accordance with the Rules

applying to same and connected to spare circuits in existing junction boxes.

(Please see follower)

S.S. "HARMAC CROFTON"ALTERATIONS NOW DONE:- (Cont'd)

Steel deck house - 12'-0" x 7'-4" x 7'-6" installed on boat deck just abaft the funnel for use as a carpenter's shop.

After Crew Accommodation - Port and Starboard sections of No.5 W.T. bulkhead complete with existing stiffeners in No.5 'tween deck space now removed aft and efficiently welded in new position at No.21 frame on port & starboard sides. 2 side scuttles on port side and 1 on starboard side in No.5 'tween deck space also 2 storm valves below the level of the second deck and 1 storm valve above the level of the second deck all removed and apertures efficiently closed with welded spigot patches.

Steel companion to after accommodation immediately aft of No.5 hatch and steel W.T. door to steering gear compartment removed and opening in deck and casing efficiently closed with welded steel plates.

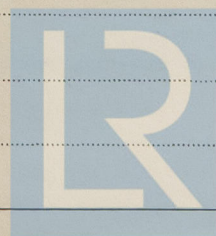
Cargo battens fitted in additional cargo space now available in No.5 'tween deck space.

All new and repaired work on shell, decks and bulkheads satisfactorily hose tested on completion.

Galley stove fitted with oil fuel installation, tank and fuel oil pressure piping satisfactorily tested to 500 lbs. per sq. inch, examined under working conditions and found satisfactory.

Tonnage alterations - Some slight difference in tonnage has taken place due to alterations but figures not yet available.

Interim Certificate issued - Copy attached.



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Lloyd's Register
Foundation

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