

Rpt. 9

Date of writing report 14th July, 1958
Survey held at New Westminster, B.C.

Received London

No. of visits 17

Port of Vancouver, B.C. No. 10392

First date 6th May, Last date 3rd July, 1958

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 10666 Name M.V. "FORT HEARNE"

Gross tons 382 Date of build 4-1949

Owners Hudson's Bay Ltd.

Managers

Port of Registry Montreal

Engines made 1949 By Fairbanks, Morse & Co.

Type Oil Engine 2SA 8Cy.

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers - W.P. -

No. of Aux./Donkey Boilers - W.P. -

Surveyed Afloat or in Dry Dock Both

Nature of Survey MBS and TS

Was Damage Report issued? - Int. Cert.? Yes

Last Report (For Head Office only)

Hull		Machinery	
BSp*	12,52	MBS*	6,53
SS Vcr	6,53	TS	12,52Nb

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers Good Wear Down of Stern Bushes .060 Oil Glands - June Sea Connections Good

Fastenings Good Has Screwshaft been drawn? Yes Date of Examination 3th July, 1958 Has Shaft been changed? No

Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous liner? Approved oil gland?

MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD

1 Cyls., Covers, Pistons & Rods All Good

2 Valves & Gears All Good

3 Connecting Rods, Side, Centre All Good

4 Crankpins & Bearings, Side, Centre All Good

5 Journals & Bearings All Good

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods Good

7 Connecting Rods & Top Ends Good

8 Crankpins & Bearings Good

9 Journals & Bearings -

10 Coolers & Safety Devices Good

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods Good

12 Connecting Rods & Top Ends Good

13 Crankpins & Bearings Good

14 Journals & Bearings Good

15 Levers Good

16 SCAVENGE BLOWERS -

17 SUPERCHARGERS -

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts -

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) -

20 STEAM COMPRESSORS -

21 CLUTCHES & HYDRAULIC COUPLINGS Good

22 REDUCTION GEARING Good

23 THRUST BLOCKS, SHAFTS & BEARINGS Good

24 INTERMEDIATE SHAFTS & BEARINGS Good

25 HOLDING DOWN BOLTS & CHOCKS Good

26 CONDENSERS (MAIN & AUX.) -

27 STEAM RE-HEATERS -

28 DE-SUPERHEATERS -

29 STOP & MANOEUVRING VALVES -

30 MAIN ENGINE DRIVEN PUMPS Good

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Good

Have Main Engines been tested working and manœuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel is in good condition and eligible, in my opinion, to remain as classed with fresh record of MBS* 7-58 and T.S. 6-58B

Date of Committee

Decision

50m, 6, 56. T. (MADE AND PRINTED IN ENGLAND.)

J.A. STEWART
Engineer Surveyor to Lloyd's Register of ShippingLloyd's Register
Foundation

002701-002710-0183

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Starboard Aft General Service and Bilge Pumps Good
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Good
34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes Good
35 Fresh Water Coolers Good 36 Lub. Oil Coolers Good 37 Heaters (state service) -
38 Independent Air Compressors, Coolers & Safety Devices Good
39 Air Receivers & Safety devices—Main Good tested 40 Auxiliary -
41 Oil Fuel Tanks (Not forming part of hull structure) Good tested
42 Evaporators - 43 Have Evaporator Safety Valves been tested under steam? -
44 Steering Machinery Good 45 Windlass Good 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position) Starboard Aft 1 cylinder Diesel engine all parts Good

ELECTRICAL EQUIPMENT			
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors Good
b Exciters			m Motors Good
c Air Coolers			n Switchboards & Fittings Good
d Motors			o Circuit Breakers Good
e Air Coolers			p Cables Good
f Control Gear, Cables, etc.			q Insulation Resistance Good above 100,000 ohms.
g Insulation Resistance			r Steering Gear Generators and Motors Good
h Insulating Oil Test			s Navigation Light Indicators -
i Overspeed Governors			
j Magnetic Couplings			
k Air Gap			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN AUXILIARY, DONKEY or PRESS
Superheaters
Safety Valves
Mountings, Doors & Fastenings
Safety Valves Adjusted to Sat.
Spt.
Boiler Securing Arrangements
Main Economisers Exhaust Gas Heated Economisers
Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to
Were Oil Burning System & Remote Controls examined working in accordance with Rules? Forced Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore)
Were Copper Pipes annealed? Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

Main Engines:- All cylinder liners replaced with modified type of liner and cylinder covers corrected to suit.

No. 4 Main bearing remetalled.

Stern Tube:- removed for renewal of stern post and refitted in good order.

Intermediate shafts:- 3 bearings remetalled.

Main Engine Int Shafting and Tailshaft alignment checked in conjunction with renewal of stern post and main engine rechecked and secured in good alignment.

Independent Belt Driven Bilge Pump:- replaced with Monarch 5000 gal. per hour self priming pump.

Electrical:- 14, 4 cell 8 volt Type KPT 17 280 amp capacity storage batteries renewed.

Sundry other minor repairs carried out.

Survey fees ... MBS \$128.00
Electrical 46.00
T.S. 22.00
Machinery Repairs 80.00
Damage fee ...
Expenses... 30.00

Date when Alc rendered 4th July, 1958.

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Lloyd's Register
Foundation

Recking, screwshaft examined.

E.S. due to 157 now held.

New modified type of cylinder liners now fitted to main engine.

It is submitted that this vessel is eligible to remain as CLASSED.

with fresh records of:- E.S. 7/58 and T.S. (B.) 6/58 now.

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8.9.58