

Rpt. 9

Date of writing report 21-2-58

Survey held at St. John's, NFL

Received London

No. of visits 10

Port St. John's, NFL

First date 27-12-57

No. 4252

Last date 6-2-58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 02906 Name S.S. "BACCALIEU" Gross tons 1421 Date of build 1940 - 4
Owners Canadian Govt. (Minister of Transport) Managers Can. National Railways Port of Registry St. John's, NFL
Engines made 1940 By Fleming & Ferguson Ltd. Type Steam Recip. 3 Cyls.
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 W.P.
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both
Nature of Survey MS., BS., Repairs
Was Damage Report issued? No Int. Cert.? Yes
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull		Machinery	
100A1		IMC	
SS NFL	11-55	Engines	11-55
Dkg.	12-56	BS	12-56
		CL	12-56
		ss	10-52

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 Propeller† Good Wear Down of Stern Bushes .110 inch Oil Glands - Sea Connections Good
Fastenings Good Has Screwshaft/Tubeshaft been drawn? No Date of Examination - Has Shaft been changed? -
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

MAIN ENGINES (Recip. Steam or Recip. - PORT - STARBOARD -
1 Cyls., Covers, Pistons & Rods Good
2 Valves & Gears Good
3 Connecting Rods, Side
Top Ends & Guides Centre
4 Crankpin & Side
Bearing Centre M.P. engine Good
5 Journals & Bearings Nos. 1 to 6 inc. Good

MAIN-ENGINE-DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods
7 Connecting Rods & Top Ends
8 Crankpins & Bearings
9 Journals & Bearings
10 Coolers & Safety Devices

MAIN-ENGINE-DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods
12 Connecting Rods & Top Ends
13 Crankpins & Bearings
14 Journals & Bearings
15 Levers

SCAVENGE BLOWERS

SUPERCHARGERS

MAIN TURBINES

16 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECH. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARS

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS Good

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.) Tested. Good

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN-ENGINE-DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION-RELIEF DEVICES

Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this vessel is eligible, in our opinion, to remain as Classed in the Register Book with fresh record of MBS (Main boiler survey) 1-58.

Date of Committee

Decision

30m.6.55. T. (MADE AND PRINTED IN ENGLAND)

WEDNESDAY - 2 APR 1958

MBS 1,58

(Not renewed SPS
until 1,59 approved)

Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

009904-009911-0088 1/2

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Air, circulating water, after feed, inboard oil fuel pressure, general service and bilges 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 Boilers. 36 Turbine Engines. 37 Heaters (state service) Good

38 Independent Fire Extinguishers, Control & Safety Devices. 39 Air Receivers & Safety Devices - Main. 40 Auxiliary

41 Oil Fuel Tanks (Not forming part of hull structure). 42 Fire Extinguishers - Safety - Main - Good

43 Excess Pressure. 44 Steering Machinery. Good

45 Windlass. Good

46 Fire Extinguishing Arrangements. Good

AUXILIARY ENGINES (Identify by position) Outboard dynamo engine (ss) bottom platform - all parts - Good

PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			1 Generators & Governors. Good
b Exciters			
c Air Coolers			m Motors
d Motors			n Switchboards & Fittings. Good
e Air Coolers			o Circuit Breakers. Good
f Control Gear, Cables, etc.			p Cables. Good
g Insulation Resistance			q Insulation Resistance. Good
h Insulating Oil Test			r Steering Gear Governor and Motors
i Overspeed Governors			s Navigation Light Indicators
j Magnetic Couplings			
k Air Gap			

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

MAIN Port and starboard boilers internally & externally condition good. Port & starb'd 6-1-58.

47 Safety Valves. Good

48 Mountings, Doors & Fastenings. 210 lbs. per sq. inch

49 Safety Valves Adjusted to Sat. 3pt. Good

50 Boiler Securing Arrangements. Good

51 Main-Excess Pressure. 52 Steam Generator Safety Valves Adjusted In

53 Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes

54 Forced Circulating Pumps. Funnel. Good

55 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?

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)

WEAR AND TEAR REPAIRS. PORT BOILER. Top inboard butt strap joint, two rivet heads found inside boiler, broken off from top row, Nos. 4 & 6 from front end. Rivets Nos. 3 to 7 inc. in top row renewed, rivet holes examined and found no indication of plate fractures. All rivets in the butt straps hammer tested and proven sound.

STARBOARD BOILER. Top inboard butt strap joint, one rivet head found inside boiler, broken off from top row, No. 4 rivet from front end. Rivets Nos. 3 to 5 in top row renewed, rivet holes examined and found no indication of plate fractures. All rivets in the butt straps hammer tested and proven sound.

Port furnace. 4 - CC stays and one plain tube renewed, 15 plain tubes expanded also several rivets and plate seams of tube sheet to furnace hardened up.

Centre furnace. 2 - CC stays renewed and five stay tubes caulked.

On completion of repairs both boilers pressure tested and proven tight.

MAIN ENGINE:- Piston valve machined and rings renewed.

Two main bearing top halves remetalled.

Air pump. Shuttle and side valves faces machined and ground in.

Survey fees ... \$ 100.00

Damage fee ...

Expenses... \$ 15.00

Date when A/c rendered... 10-2-58

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Port of St. John's, Newfoundland Continuation of Report No. 4252 dated 21-2-58 on the

S/S "BACCALIEU"

REPAIRS (Contd.)

Sea connections. 4 - Clapper valve seats renewed.

Bilge pump. Suction and delivery valves built up with bronze welding, machined and ground in. Valve spindles and lids renewed.

Main Condenser. Tube plate 34 collar studs renewed.

Windlass. Nigger head and main shaft bearings renewed. Two crosshead bearings renewed.

Dynamo engine (outboard). Governor gear spindle knuckle pins renewed. HP liner, and

HP, IP, crossheads rebushed.

Steering engine. Control valve and piston rod neck bushes renewed.

Independent fire pump installed in steering compartment to Government Regulations, sea suction 2 1/2 inch dia. taken from opening in shell plating (ps) tunnel recess, opening fitted with substantial compensation ring and tested sea valve fitted and secured to shell with 1/2 inch studs and bolts in good order.

Propeller. 4 - Manganese bronze blades (reconditioned) fitted IR 3539 & 6495, also a number of other items of a minor nature carried out.

NOTE:- The Owners have requested that the testing of the steam pipes be deferred until next Boiler Survey 59. Pipe flanges examined externally and in order. Their request merits the favourable consideration of the Committee.

Surveyors to Lloyd's Register.