

Rpt. 9

Date of writing report 21-2-58

Received London

17 MAR 1958

Port St. John's, NFL

No. 4252

Survey held at St. John's, NFL

No. of visits 10

First date 27-12-57

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

Records of Survey & Special Notations as per Register Book

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)

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.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

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, Top Ends & Guides Side Centre

4 Crankpin† & Bearing† Side 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~~

18 Casings, Rotors, Blading, Bearings & Thrusts

~~EXHAUST STEAM TURBINES (WITH RECP. ENGINES)~~

~~STEAM COMPRESSORS~~

~~CLUTCHES & HYDRAULIC COUPLINGS~~

~~REDUCTION GEARING~~

23 THRUST BLOCKS, SHAFTS & BEARINGS

24 INTERMEDIATE SHAFTS & BEARINGS Good

25 HOLDING DOWN BOLTS & CHOCKS

26 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.

WEDNESDAY - 2 APR 1958

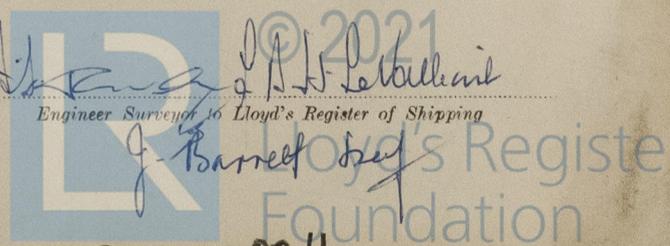
Date of Committee

Decision MBS 1, 58

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

(Part renewed SPS until 1, 59 approved)

*W. H. Barrett*  
Engineer Surveyor to Lloyd's Register of Shipping



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 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 36 TURBO COMPRESSORS 37 Heaters (state service)

38 Independent Air Compressors, Control & Safety Devices 39 Auxiliary Air Compressors, Control & Safety Devices 40 Auxiliary

41 Oil Fuel Tanks (Not forming part of hull structure) 42 Inboard Oil Fuel Tanks (state service) 43 Inboard Oil Fuel Tanks (state service)

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	Slowing Gear, Governors 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.

SAFETY VALVES

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to 210 lbs. per sq. inch

Boiler Securing Arrangements Good

EXHAUST GAS HEATERS & ECONOMIZERS

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

Were Saturated Steam Pipes in cylindrical boiler smoke boxes 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)

**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. ...2

Survey fees \$ 100.00

Damage fee

Expenses \$ 15.00

Date when A/c rendered 10-2-58

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.

