

# PORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office

6 - MAR 1948

of writing Report

19

When handed in at Local Office

3 - MAR 1948

Port of

NEWCASTLE-ON-TYNE

Survey held at Newcastle

Date. First Survey 21<sup>st</sup> NOVEMBER 1947

Last Survey 2 - 2 - 1948

(No. of Visits 17)

on the Machinery of the Wood, Iron or Steel S.S. BROOMPARK

Gross 7173  
Net 4278

Vessel built at Portland, Me. By whom Todd-Bath Iron S.B. Corp. When 1942 7

Engines made at Hamilton, O. By whom General Machinery Corp. When

Main Boilers 3 (Spt)

Boilers, when made (Main) (Donkey)

Donkey Boilers 1

Owners Denholm Line Steamers Ltd Owners' Address

Pressure 220

Managers G &amp; J Denholm Ltd Port Greenock Voyage

If Surveyed Afloat or in Dry Dock Both

(State name of Dock) New R.W. Hawthorn, Leslie

Report No. Port

Particulars of Examination and Repairs (if any) Oil fuel conversion

Special Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs on the cause of which must be stated should be separated from repairs due to other causes; and being detailed in the body of the report, should be briefly summarized at the end of the report. State also the date and initials of any letters respecting this case. 21-11-47, 9-12-47, 10-12-47, 16-12-47, 28-2-48.

Where cases where the Surveyor has not made a special damage report he is required to state whether he considered his services for this purpose, and why they were declined.

damage report made by anyone else? If so, by whom?

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? yes

Donkey " " "

was not done, state for what reasons

What parts of the Boilers could not be thus thoroughly examined?

What special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

Latest date of internal examination of each boiler 9-12-47

Surveyor examine the Safety Valves of the Main Boiler? yes To what pressure were they afterwards adjusted under steam? 220 lbs

Surveyor examine the Safety Valves of Donkey Boiler? yes To what pressure were they afterwards adjusted under steam?

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? yes, and of the Donkey Boilers?

Surveyor examine the drain plugs of the Main Boilers? none, and of the Donkey Boilers?

Surveyor examine all the mountings of the Main Boilers? yes, and of the Donkey Boilers?

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Is it fitted with continuous liner? No

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Has it a continuous liner? No

State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 32

Is electric light and/or power fitted yes

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms. yes

Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete

Work done: Vessel placed in dry dock, propeller, aft end of stern bush, a connections, and outside fastenings examined and found or placed in good order.

N.C.: All machinery parts as follows examined: main engine cylinders, valves & chests, crankshaft with bearings, thrust shaft & block, intermediate shafts, main condenser (under water test), attached air & bilge pumps, main feed pumps, circulating pump & engine, ballast pump, general service pump, 2 dynamo engines, fan engine, steering engine, windlass, and pumping arrangements, and found or placed in good order.

Boilers (3) examined internally and externally, complete with

General Observations, Opinion, and Recommendation:— The machinery of this vessel is

State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9, 11, B.&H.S. 9, 11, L.M.C. 9, 11, or

my opinion eligible to remain as classed with fresh record of

my (+LMC 2, 48)

Oil Fuel Conversion £15:15:00

Electrical Fee £5:0:00

Damage or Repair Fee (if any) £✓:✓:✓

License Case £✓:✓:✓

Other expenses (if chargeable) £✓:✓:✓

Received by me, 19

Committee's Minute

Signed

FRI. 23 APR 1948

See Gms. 22958

C. Booker

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

004852-004860-0207 1/2

Is a Certificate required? If so, to be sent to



manholes, doors, fastenings, and all mountings. Superheater arrangements examined and main boiler and superheater safety valves adjusted to the working pressure of 220 lbs per sq"

### Conversion to oil fuel burning

All work entailed in conversion carried out in accordance with rules, approved plans, and Secretary's letters

Duplex oil fuel unit with heaters and filters as per attached certificate installed.

Oil fuel pressure and suction pipe lines tested to rule requirements after jointing.

Steam valve to oil fuel unit and transfer pump, and steam smothering valve controlled in accordance with rules.

Extension spindles fitted to suction valves of settling tanks and cross bunker tank.

Pneumercator gauges fitted to settling tanks

Raising steam unit incorporated in oil burning arrangements

Steam smothering arrangements tested and found satisfactory

Foamite fire extinguisher (34 galls. capacity) installed in stokehold.

Oil fuel transfer pump overboard discharge valve fitted to shell below light load line, in accordance with the rules.

Oil burning installation examined under working conditions with satisfactory results.

### Repairs W+T

Main injection & main discharge valve lds renewed.

M.P. valve spindle aligned

Port feed pump water end renewed, complete with rod & bucket.

At owner's instigation, ballast pump renewed (Thos. Lamont 10" x 12" x 12")

Boiler mountings overhauled as necessary.

### SURVEY OF ELECTRICAL INSTALLATION.

#### Generators 2 of 12 Kws each

The electrical installation examined under working conditions. Generators, cables, and all fittings examined. Minor repairs effected to lighting wiring. On completion of repairs all circuits megger tested and all found or placed in good order.

Main engines and auxiliary machinery tried out under working conditions with satisfactory results

BB

SURVEYOR TO LLOYD'S REGISTER.