

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office 16 SEP 1950)
NEWCASTLE-on-TYNE

Date of writing Report.....19..... When handed in at Local Office..... 11 SEP 1950..... Port of.....

No. in Survey held at Newcastle Date. First Survey 19-6-50 Last Survey 6-9-50 19.....
g. Book. (No. of Visits.....17.....)

22949 on the Machinery of the Wood, Iron or Steel SS "BELRAVOCK" (ex "Lannick"-46)

Gross 1276 Vessel built at Leith By whom Hawthorn & Co Ltd. When 1920 Month 11
Net 521 Engines made at Leith By whom Hawthorn & Co Ltd When 1920

Nominal Horse Power 296 MN Boilers, when made (Main) 1920 (Donkey)
of Main Boilers 238 Owners London & Edinburgh Shipping Co Ltd. Owners' Address

of Donkey Boilers ✓ Managers Leith (if not already recorded in Appendix to Register Book.)
Steam Pressure in Main Boilers 180 lb. Port Leith Voyage

in Donkey Boilers ✓ If Surveyed Afloat or in Dry Dock Both
(State name of Dock.) Goldlands (Successors) Ltd.

Previous Report No. ✓ Port ✓

Particulars of Examination and Repairs (if any) LMC, TS/CL, SRL

Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. 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 briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.....

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 why they were declined.....

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

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

Donkey " " " " ✓

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?.....

State latest date of internal examination of each boiler 28-7-50 (PNS) Present condition of funnel (H) efficient

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 180 lb.

Did the Surveyor examine the Safety Valves of the Donkey Boilers? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers? ✓

Has the screw shaft now been drawn and examined? Yes Has it a continuous liner? Yes Is an approved oil retaining appliance fitted at the after end? No

Has the shaft now been changed? No If so, state reasons..... Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓

Is an approved oil retaining appliance fitted at the after end? ✓ State date of examination of Screw Shaft 4-8-50 State the wear down in the stern bush Rewooded good fit.

Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes

Engine parts, when referred to by numbers, should be counted from forward. Complete.

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

Work done: Vessel placed on slipway, examined all sea connections & fastenings, propeller, stern bush & all found or placed in good order.

Examined tailshaft with continuous liner & found or placed in good order.

Examined all cylinders, pistons valves, gear, rods, crank thrust & intermediate shafting, condensers, attached and independent pumps, pumping arrangements, selected main & auxiliary steam pipes tested to 2 WP, and all found or placed in good order. Main boilers examined internally & externally with mountings doors & fastenings, safety valves afterwards adjusted as stated above.

Wear & Tear Repairs: Tailshaft liner skimmed in way of stuffing box & stern bush, and cut back 1/8" at aft end in way of slight general corrosion of shaft at thick end of cone. Tailshaft re-fitted in propeller due to poor fit, key and nut renewed. Stern bush rewooded

HP piston valve chamber of main engine bored out, new rings fitted [CONT:]

General Observations, Opinion, and Recommendation:— The machinery of this vessel is in my opinion in good

(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, BS 9,11, B&MS 9,11 *LMC 9,11 or *LMC 140 lb., FD, &c.)

& efficient condition & eligible to remain as classed with fresh record +LMC 9,50 and TS/CL 8,50.

It is recommended SRL "Renew tubes in Starboard boiler by 6,50" now be deleted

Survey Fee (per Section 29)..... LMC 220:0:0 TS/CL 2:0:0 Fees applied for 15 SEP 1950
Special Damage or Repair Fee (if any) (per Section 29.) ELECT. L.M.C. 5:0:0 Received by me, A. Muntagard & R. Stone
Travelling expenses (if chargeable) ELECT. REPAIRS 5:0:0 19..... Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... FRI, 6 OCT 1950

Assigned..... +LMC 9,50 without spl. adm. S. 8,50

CERTIFICATE WRITTEN.....

002079-002084-0176 '13

Insert Character of Ship and Machinery precisely as in the Register Book

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



BELRAVOCK

Main engine I.P. Valve spindle skinned, neck bush renewed, gland bushed.

N^o 4 main bearing bolts & nuts renewed.

Both main engine attached feed pumps rams & neck bushes renewed.

Attached bilge pump suction & discharge valves & seats renewed.

H.P. Ahead eccentric strip reinstalled

Auxiliary feed pump bucket chamber liner renewed, valve gear overhauled.

Ballast pump valve gear overhauled, new pins fitted

10kW. dynamo engine cylinder & valve chest bored out, new piston valve fitted, governor gear overhauled.

Windlass port side piston rod renewed, all eccentric rods renewed, driving shaft and clutch renewed, valve spindles skinned & neck bushes renewed.

Port Boiler:

All plain tubes renewed. Manhole doors built up by electric welding. Grooving in underside of centre furnace gooseneck cut out & built up by electric welding.

Main stop valve seat renewed, water gauge cocks & main check valve re-jointed to shell.

Starboard Boiler:

All plain tubes renewed, 2 stay tubes in centre furnace renewed. Manhole doors built up by electric welding. Donkey check valve & water gauge cocks re-jointed to shell.

On completion of repairs both boilers were satisfactorily hydraulically tested.

The main & auxiliary machinery were afterwards examined under working conditions alongside the quay with satisfactory results.

SRL. "Renew tubes in Starboard boiler by 6.50" to be deleted.

SURVEYOR TO LLOYD'S REGISTER,
NEWCASTLE-ON-TYNE.

S.S. "BELRAYOCK"

SURVEY OF ELECTRICAL INSTALLATION.

No in Reg. Bk 52998. NAME OF VESSEL FIRST SURVEY 5/7/50 LAST SURVEY 6/9/50
 Capacity of Installation K.W. 1-10Kws. AND 1-4.9Kws. No. OF VISITS 10
 Nature of Survey SPECIAL SURVEY AND REPAIRS.
 No. of Visits 10. Where Surveyed WALSAND.

THE ELECTRICAL INSTALLATION EXAMINED UNDER WORKING CONDITIONS.
 GENERATORS, CABLES AND ALL FITTINGS EXAMINED. GENERATORS, CLEANED AND
 OVERHAULED. MAIN SWITCH BOARD RENEWED - GENERATORS DO NOT OPERATE IN PARALLEL
 OUTGOING CIRCUITS DOUBLE POLE CHANGE OVER SWITCHES AND FUSES. ALL MAIN CABLES RENEWED
 USING V.I.R. IN CONDUIT. NAVIGATION LIGHTS WIRING RENEWED. OFFICERS ACCOMMODATION
 LIGHTING WIRING RENEWED - FITTINGS OVERHAULED. ENGINEERS ACCOMMODATION LIGHTING WIRING
 RENEWED - FITTINGS OVERHAULED. CREWS ACCOMMODATION LIGHTING WIRING RENEWED FITTINGS ALL
 OVERHAULED. WHEELHOUSE ALL WIRING RENEWED - ALL FITTINGS OVERHAULED.

ON COMPLETION OF OVERHAUL ALL CIRCUITS TESTED FOR INSULATION RESISTANCE
 AND GENERATORS TESTED FOR GOVERNING AND COMPOUNDING. ALL FOUND SATISFACTORY.

R. P. Stone.
 6th SEPT. 1950.

SURVEYOR TO LLOYD'S REGISTER,
 NEWCASTLE-ON-TYNE.



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