

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office)

FRI SEP 17 1920

Writing Report

19

When handed in at Local Office

15.9.

1920

Port of AberdeenSurvey held at AberdeenDate, First Survey 9.6.20 Last Survey 8.9.1920(No. of Visits 4)on the Machinery of the ~~Wood, Iron or Steel~~ S.S. "DUNLEITH."Master ☒Gross 292
Net 111Vessel built at PaisleyBy whom J. Fullerton & Co.When 1896. 9.Engines made at GlasgowBy whom Hall-Brown & Co. & Co. When 1896.Main Boilers 1Boilers, when made (Main) 1896.(Donkey) ☒Donkey Boilers ☒Owners Kirk & Co. Ltd. (P. & J. Kirk & Co. Ltd.) Port AberdeenVoyage Anglesey in towPressure—120 lb.Surveyed Afloat ☒ in Dry Dock Port II. Slipway & Victoria St. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).Donkey Boilers ☒

Report No.

Port

Damage

Particulars of Examination and Repairs (if any) the stranding

Local Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature and extent 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 being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date and initials of any letters respecting this case.

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? Yes, but not required. Was a damage report made by anyone else? If so, by whom? Yes, Pirrie for underwriters.

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? no

" Donkey " "

was not done, state for what reasons? Boiler not due or opened for survey.

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? ☒

Surveyor examine the Safety Valves of the Main Boiler? ☒

To what pressure were they afterwards adjusted under steam? ☒

Surveyor examine the Safety Valves of Donkey Boiler? ☒

To what pressure were they afterwards adjusted under steam? ☒

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

, and of the Donkey Boiler? ☒

Surveyor examine the drain plugs of the Main Boilers? ☒

, and of the Donkey Boiler? ☒

Surveyor examine all the mountings of the Main Boilers? ☒

, and of the Donkey Boiler? ☒

Screw shaft now been drawn and examined? no

Is it fitted with continuous liner? ☒

or two liners? ☒

or is it without liners? ☒

Shaft now been changed? ☒ If so, state reasons ☒

Shaft now fitted new? ☒

Has it a continuous liner? ☒

or two liners? ☒

or is it without liners? ☒

What the distance between lignum vitae of stern bush and top of after bearing of screw shaft? 3"

Survey is not complete state what arrangements have been made for its completion and what remains to be done? Vessel placed on pontoon for

examination of Damage. Stated to have been caused through stranding on Proudfoot Rocks, Wick 24th May 1920, whereby extensive damage was sustained to the hull, refloated 2nd June & towed to Aberdeen. On examination found three blades of the propeller broken off short at the boss.

and engines generally in a dirty condition, through being submerged: boiler slightly out of place, on starboard side buckled & lagging destroyed: engine platforms, stokehold floor, engineer's room and screen bulkhead, displaced & part missing, and bilges choked.

Recommended that propeller be renewed: that the tail shaft be drawn, and stern tube removed, facilitate repairs to hull, and be subsequently refitted: that the sea cocks, bilge injection, and ship's side discharge valves be opened out, examined & overhauled: that the main engines be opened out, cleaned and fully examined: that the condenser be gutted out, cleaned, retubed, & tested: that the crank shaft be lifted, and together with thrust shafts, tried in lathe, and afterwards refitted on board, alignment of shafting tried, and engine holding down bolts, overhauled. P.T.O.

General Observations, Opinion, and Recommendation:— This vessel has been temporarily 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.M.S. 9, 11, or L.M.C. 9, 11, 140 lb., F.D., &c.)

Required to enable her to proceed to tow to Amblech, Anglesey, where in connection with repairs to hull, the Engines and Boiler will be opened out for examination, and the necessary repairs effected, with a view to the continuation of present Class in the Register Book. In connection therewith this Report is now furnished for the information of the Committee.

Fee (per Section 28) £

Fees applied for

1 Damage or Repair Fee (if any) £

(per Section 28.)

Other Expenses (if chargeable) £

Committee's Minute

Signed

FRI. SEP. 24 1920

Deferred

Ridley, Howell
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation

006401-006406-0072

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

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

overhauled.

"DUNLEITH."

That the boiler be lifted to facilitate repairs to hull, and be cleaned and examined, and be also tested by hydraulic pressure to $1\frac{1}{2}$ times the working pressure: that the mountings be opened out, examined and overhauled: that the boiler be replaced and fixed & secured as before: that the main steam pipe be annealed and tested & afterwards refitted. That the donkey pump, be removed, taken to shops and be thoroughly overhauled & refitted. That the pumping arrangement be opened out and valve boxes, pipes & strums, removed, cleaned & refitted.

That the stokehold floor and engine platforms be relaid & renewed as required, ladders, gratings, bulk heads & storeroom replaced in good order, engine telegraph overhauled and steam & vacuum gauges renewed.

In view of the cost of carrying out the necessary repairs to the Hull, the vessel was declared a constructive total loss, and has since been sold to Messrs William Thomas & Sons, Shipowners & Repairers, Amlwch, Anglesey, for which port she left Aberdeen in tow, there to be repaired with a view to the continuation of her classification in the Register Book.

While on the slipway at this port, the fastenings of the Sea Cocks and stern bushes were examined and found in good order while the remaining blade of the propeller was removed to facilitate the steering of the vessel while in tow.

The pumping arrangement was overhauled, and the ejector in engine room was connected to the main line of bilge, to draw from Hold, leaving the donkey pump available for engine room bilge, and boiler feed.

Bilges cleaned out and stokehold floor and engine room platforms temporarily fitted.

Ridley Howell,

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

Damage due to stranding.
Vessel proceeding to Amlwch
for repairs.

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

subject to the machinery
being overhauled &
repaired as found
necessary.

AWD
21/9/20



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