

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

(Received at London Office)

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|------------------------|--|--------------------------------|--------------------|-----------|---|---------------|
| Date of writing Report | 19 | When handed in at Local Office | 12th May, 1920 | Port of | CARTHAGEN MAY 13 1920 | |
| in Book. | Survey held at | Cardiff | Date, First Survey | 10th Mar. | Last Survey | 5th May, 1920 |
| 178 | on the Machinery of the Wood, Iron or Steel | Sc., Jr., Sonnenfels | Master | Tulcan | (No. of Visits) | 31 |
| Gross 5754 | Vessel built at | Bremen | When | 1914 | YEAR. | MONT. |
| Net 3665 | Engines made at | 80° | By whom | 80° | When | 1914 |
| gistered 423 N.H.P. | Boilers, when made (Main) | 1914 | (Donkey) | 1914 | Voyage | Las Palmas. |
| se Power | Owners in Shipping Controller (the Law Co. Ltd.) Port London | | | | Particulars of Classification (which must be inserted precisely as in Register Book & Supplements). | |
| of Main Boilers 3 (SB) | Surveyed Afloat in Dry Dock Commercial Dry Dock | | | | CHARACTER. | |
| of Donkey Boilers 1 | (State name of Dock) Queen Alexandra & Roads Docks | | | | * for Special Survey. | |
| in Pressure | | | | | Date of last Survey and of Periodical Surveys. | |
| Main Boilers 190 lbs | | | | | Year Assigned now expired. | |
| Donkey Boilers 120 lbs | | | | | Machinery and Boiler Surveys (including date of N.B., if any). | |

st Report No. Port

Particulars of Examination and Repairs (if any) L.M.C.

Indicate 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 cases being detailed in the body of the report, should be briefly summarised at the end of the report. State also the names 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?

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

Do. " Donkey " "

Is 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?

the Surveyor examine the Safety Valves of the Main Boiler?

the Surveyor examine the Safety Valves of Donkey Boiler?

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

the Surveyor examine the drain plugs of the Main Boilers?

the Surveyor examine all the mountings of the Main Boilers?

screw shaft now been drawn and examined?

shaft now been changed? If so, state reasons

he shaft now fitted new?

Has it a continuous liner?

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

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

As per instructions in Secretary's letter above quoted, now done.

Examined cylinders, pistons slide valves, crank, thrust, intermediate and screw shaft, propeller, stern bush, sea cocks and valves and their fastenings, bilge injection valve, bilge suction and roses, condenser, all pumps and valves, bed plate, main steam pipes, auxiliaries, steam steering engine, windlass, main boilers and double boiler thoroughly together with their safety valves mountings and doors and found to be in good order.

A P.C. cylinder stuffing box renewed

A P.C. piston placed in lathe, machined & fitted with new packing rings, ridge chipped off cylinder.

A P. piston packing ring renewed.

P.T.O.

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

(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.)

is now in good and safe working condition and eligible in my opinion to be classed with the notation L.M.C. 5-20 and F.B. 5-20 in the Register Book.

Survey Fee (per Section 28). £ 5.10.0

Total Damage or Repair Fee (if any) (per Section 28). £ :

Traveling Expenses (if chargeable). £ :

Committee's Minute

Signed

Fees applied for

125 May 1920

Received by me,

15-5-19 20/20/T.

16

TUE. AUG. 31 1920

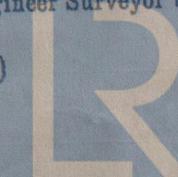
* £m. 6.520

J.D.

FRI. 17 OCT. 1920

James Murdoch

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

1805A

Eccentric straps taken to works top halves remitted, machined & refitted, troughs supplied & fitted and all valve gear connected as before
Hud box renewed and bilge pipes overhauled.

Hallast Donkey Pump, Valve and seats machined & refitted, piston valve machined & fitted with new rings, donkey pump generally overhauled & put in order.
H-1 Haws Pump. Steam valve chamber bored out & new valve fitted, slide valve machined & refitted, Piston machined & fitted with new rings, pump generally overhauled and put in order.

H-2 Haws Pump: Piston machined & fitted with new rings & pump generally overhauled & put in order.

Evaporator overhauled stop valve & seat renewed.

Torpedo Engine overhauled and put in order.

Boiling Engine overhauled fitted with new worm wheel & put in order.

Main Boiler mountings, Starboard Boiler water gauge cock shell bored out and new plug fitted, drain cocks renewed & fitted with new unions, auxiliary stop valves and seats machined and refitted, main check valve & seats machined & refitted, auxiliary check valve and seat machined & refitted.

Centre Boiler, Diamond blower steam pipe & guide repaired & refitted.

All valves & seats overhauled, valves ground in & refitted, Superheater disconnected and tubes permanently plugged up.

Port Boiler. Auxiliary check valve and seat machined & refitted.

Diamond Blower pipe & guide repaired & refitted, 3 steam gauges renewed.

Donkey Boiler. Steam gauges renewed, water gauge drain cocks and pipes renewed.

Engines and Boilers tested under steam and found satisfactory

James Murdoch.