

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

(Received at London Office JUN 17 1939)
 16 JUN 1939 Port of **HULL**
 Date, First Survey 3.6.39 Last Survey 10.6.39
 (No. of Visits 4)

Survey held at **Hull** on the Machinery of the **Wood, Iron or Steel** **K "ST. ACHILLEUS"**

Gross 484 Vessel built at **Beverley** By whom **Lock, Walton, & Gemmell, Ltd.** When 1934-12
 Net 189 Engines made at **Hull** By whom **C.D. Holmes & Co., Ltd.** When 1934-12
 Main Boilers 154 Boilers, when made (Main) 1934 (Donkey)
 Owners **J. Hamling & Co., Ltd.** Owners' Address
 Managers **J. Hamling & Co., Ltd.** Port **Hull** Voyage **Fishing**
 Surveyed Afloat in Dry Dock **L.N.E.R. Shipway, St. Andrews Dock**
 Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Report No. Port
 Particulars of Examination and Repairs (if any) **S.S. No 1.**

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature 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 details 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

a 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?

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 6/6/39 Present condition of funnel **Efficient**

Surveyor examine the Safety Valves of the Main Boiler? **yes.** To what pressure were they afterwards adjusted under steam? **215 lb/sq. in.**

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

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

Surveyor examine the drain plugs of the Main Boilers? **yes.** and of the Donkey Boilers? **yes.**

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

crew shaft now been drawn and examined? **no.** Is it fitted with continuous liner? **yes.** Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? **yes.**

shaft now been changed? **yes.** If so, state reasons. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? **yes.**

the shaft now fitted been previously used? **yes.** Has it a continuous liner? **yes.** Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? **yes.**

date of examination of Screw Shaft **yes.** State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft **1/2"**

Engine parts, when referred to by numbers, should be counted from forward. Is electric light **yes.**

did the Surveyor examine the generators, **yes.** 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? **not tested**

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

our Remarks:-

Vessel placed on shipway. Sea connections opened out

& examined together with outside fastenings, propeller, and

sternbush, all found or placed in good order.

Main & auxiliary machinery opened out and an examination

made of the Main Engine cylinders, pistons, valves, chests,

rods, cranks, main & bottom end bearings.

Thrust block, shaft, and shoes, intermediate shafting, shaft

bearings, main condenser, main & auxiliary pumps and

pumping arrangements, dynamo & electrical installation.

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, & L.M.C. 9.11, or

as far as now seen, is in an efficient condition, & eligible, in our opinion

remain as classed, with fresh record of **LMC 6.39**

Survey Fee (per Section 29) **LMC 8:0:0**

Special Damage or Repair Fee (if any) **16 JUN 1939**

Surveying expenses (if chargeable) **1.7.39**

Committee's Minute **TUE 4 JUL 1939**

Assigned **+ LMC 6.39**

CERTIFICATE WRITTEN

Engineer Surveyor to Lloyd's Register of Shipping.

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K "ST. ACHILLEUS"

steering gear & windlass.

The above found or placed in good order.

Main & auxiliary machinery, steering gear and windlass examined under working conditions & found in good order.

B.S.

Boiler examined in its entirety together with Safety Valves & mountings, all found or placed in good order.

Boiler examined under steam and Safety Valves adjusted to the above stated pressure.

Repairs:- 24 rivets renewed in Port back landing starboard combustion chamber.

10 stays renewed (removed for access)

3 lower rows of plain tubes renewed in each combustion chamber, also a number of stay tubes renewed.

3 Boiler stop valve lids renewed.

Previously examined:-

Main steam & superheat pipes previously examined, please see Hull Report No 49010.

Repairs effected:-

HP, MP, & LP valve spindles skimmed up, necks & gland bushes renewed.

Feed & Bilge pump rams skimmed up, necks & gland bushes renewed.

M.P. Bottom end re-metalled.

R. M. Stonehouse

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