Rpt. 9.

No. 53433.

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

(Received at London Office MAY 17 1940)

Date of writing Report 16th May 1940. When handed in at Local Office 16th May 1940 Port of Cardiff

No. in Reg. Book. 31131. Survey held at Cardiff. Date, First Survey 3rd May Last Survey 12th May 1940 (No. of Visits 8.)

on the Machinery of the ~~Wood, Iron or~~ Steel S.S "Otterpool"

Tonnage { Gross 4876 / Net 2998

Nominal Horse Power 439

No. of Main Boilers 3

No. of Donkey Boilers 1

Steam Pressure— in Main Boilers 180lbs

in Donkey Boilers 150lbs

Vessel built at W. Hartlepool By whom W. Gray & Co Ld When (Year. Month.) 1926-7

Engines made at do By whom Cole Mar Eng Works When 1926

Boilers, when made (Main) 1926 (Donkey) 1926

Owners Pool Shipping Co Ld Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Sir R. Ropner & Co Ld Port W. Hartlepool Voyage

Surveyed Afloat or ~~in Dry Dock~~ Owens Dock & Wm Stewart Dry Dock (State name of Dock.)

Last Report No. Port

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. ✠ for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A1		+LMC 9-38
6-39.		B.S. 10-39
SS Shl No 3. 9-38.		T.S. CL 11-38.

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

Particulars of Examination and Repairs (if any) Damage & T.S.

(Periodical Surveys, when held, must be reported in detail and seriatim 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.

In 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 offered not reqd.

Was a damage report made by anyone else? If so, by whom? Not known.

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

" " Donkey " " " No

If this was not done, state for what reasons? B.S. not due.

And what parts of the Boilers could not be thus thoroughly examined?

Also 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 Present condition of funnel(s) good.

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

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

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

Has screw shaft now been drawn and examined? yes 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? ✓

Has 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 appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

State date of examination of Screw Shaft 5-5-40 State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft Close

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted ✓

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? ✓

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

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

Damage stated to have been caused by enemy action in the Tay estuary on the 27th January 1940. and Grounding in the River Tees on the 26th November 1939.
Now done:- Vessel placed in dry dock. propeller stern bush and sea connection fastenings examined.
Propeller shaft drawn in examined, lower half of stern bush renewed, Tunnel shafting alignment tested & found in order. Two couplings, Holes reamed & new bolts fitted.
New Key fitted to propeller shaft.

Electric Installation. A second hand re-conditioned 10 KW. Dynamo and Engine fitted. New wiring Megger tested & found in order. Governor tested under working conditions.

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 ✠LMC 140 lb., F.D., &c.) CS 3,34,

is eligible in my opinion to remain as classed, without fresh record of Survey and to have notation of T.S CL 5-40.

Survey Fee (per Section 29) £ : :

Special Damage ~~or Repair~~ Fee (if any) (per Section 29.) £ 3 3 : 0

Electric light repairs. £ 1 1 : 0

Travelling expenses (if chargeable) £ 5 : 0.

Fees applied for 16 May 1940.

Received by me, 19

Hamish W. G. Paton

Engineer Surveyor to Lloyd's Register of Shipping.

TUE 28 MAY 1940

Committee's Minute

Assigned As now

If so, is the Report sent now, or when will it be sent?

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

10m,11.39.—Transfer Ink. (MADE AND PRINTED IN ENGLAND)

The Surveyors are requested not to write on or below the space for Committee's Minute.)

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