

No. 126724

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

(Received at London Office 17 MAR 1948)

Report.....19..... When handed in at Local Office.....19..... Port of LIVERPOOL
Survey held at Bromborough Date. First Survey 26/1/48 Last Survey 16/2/1948
(No. of Visits.....7.....)
In the Machinery of the IVYBANK Steel "IVYBANK"
Vessel built at Baltimore, Md. By whom Bethlehem Fairfield Shipyard When 1943
Engines made at -do- By whom Ellicott Mch. Co. Inc. When 1943
Boilers, when made (Main) (Donkey)
Owners Bank Line Ltd. Owners' Address (if not already recorded in Appendix to Register Book.)
Managers A. Weir & Co. Port Glasgow Voyage
If Surveyed Afloat or in Dry Dock Afloat
(State name of Dock.) Bromborough

of Examination and Repairs (if any) Classification Survey.
When held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, if any, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly mentioned at the end of the report. State also the dates 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.....
Report made by anyone else? If so, by whom? none.
Did you personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.

CHARACTER.	Years assigned to class	Machinery and Boiler Surveys (including date of N.B., if any)
* for Special Survey. Date of last Survey and of Periodical Surveys.	expired	
100A1 (Classification contemplated).		B.S. 1,47
Examined 8,47.		
8,47.		
Fitted for O.F.		

What reasons..... What parts of the Boilers could not be thus thoroughly examined?.....
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?.....
Date of internal examination of each boiler P.12.2.48. S.29.1.48. Present condition of funnel(s) Satisfactory.
Did you examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 225/250 lb.
Did you examine the Safety Valves of the Donkey Boilers? - To what pressure were they afterwards adjusted under steam? -
Did you examine all the manholes, doors and their fastenings of the Main Boilers? Yes and of the Donkey Boilers? -
Did you examine the drain plugs of the Main Boilers? - and of the Donkey Boilers? -
Did you examine all the mountings of the Main Boilers? Yes and of the Donkey Boilers? -
Has the shaft now been drawn and examined? No Has it a continuous liner? - Is an approved oil retaining appliance fitted at the after end? -
Has the shaft been changed? - 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 Not examined. State the wear down in the shaft.....
Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? No.

On resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? No.
Engine parts, when referred to by numbers, should be counted from forward.
If not complete, state what arrangements have been made for its completion and what remains to be done. To complete.
To survey the following parts to examine:-
Order and valve, M.P. cylinder, L.P. valve, 2 feed pumps, fan engine, 3 generators and 1 equipment, oil gutterway to fit round oil fuel tanks.
M.P. valve, L.P. cylinder, crank, thrust and intermediate shafting, attached pumps, Gwynne units and transfer pumps, condenser (tested) ballast & G.S. pumps, valves, cocks, pipes & of pumping arrangements examined.
Boilers & superheaters examined internally, externally, doors, caps, their fastenings & safety valves adjusted under steam. Oil burning, control gear & fire fighting equipment in order.
M.P. valve machined & excessive clearance removed by fitting side strips. All main bearings and shaft bedded. H.P. & M.P. cylinder joint remade, Gwynne cylinder block bored, new valve fitted. Steering engine control valve & sleeve renewed. Aux. circulating pump rods and peller and screwshaft (see certificate) placed on board.
P.T.O.

CHECKED AND VERIFIED.
Observations, Opinion, and Recommendation:- The machinery of this vessel, as now seen, is in good order, and no 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 or LMC 140 lb., FD, &c.)
Classification and eligible in my opinion to be classed with record "L.M.C. 2,48" on completion of survey.

Classification L.M.C. Fees applied for 10 MAR 1948
Repair Fee (if any) £ 3 : 5 : 0 Received by me, 19
LIVERPOOL 16 MAR 1948

Engineer Surveyor to Lloyd's Register of Shipping.

Minute As now subject B.S. 2.48. (230 lb.)

003750-003762-0207

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

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

"IVYBANK".

M.T. - 3284 - all recommendations relating to fire safety now carried out.

Main and auxiliary machinery tried under working conditions and found satisfactory.

The vessel proceeded to Swansea where the survey was to be completed, Surveyors 1 at

Reports Nos.4 & 5c. forwarded herewith.



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