

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

(Received at London Office 27 DEC 1935)

Writing Report 10 When handed in at Local Office 19 DEC 1935 19 Port of **LIVERPOOL**

Survey held at **Birkenhead** Date, First Survey **14th Nov.** Last Survey **13th Dec 1935**
(No. of Visits **22**)

on the Machinery of the ~~Wood Iron~~ Steel **Twin Sc. ARANDORA STAR**

Gross **15305** Vessel built at **Birkenhead** By whom **Cannell Laird & Co. Ltd.** When **1927-5**
Net **8977** Engines made at **Birkenhead** By whom **Cannell Laird & Co. Ltd.** When **1927**
Donkey **2078** Boilers, when made (Main) **1927** (Donkey) ☒
in Boilers **30** Owners **Blue Star Line** Owners' Address
Boilers **2004** Managers ☒ (if not already recorded in Appendix to Register Book.)
Boilers ☒ Port **London** Voyage
Boilers ☒ X Surveyed Afloat & in Dry Dock **Cannell Laird.** Particulars of Classification (which must be inserted
(State name of Dock.) **Bain & Son** precisely as in Register Book & Supplements).

Report No. Port
Particulars of Examination and Repairs (if any) **Comp. MS & BS**

At surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the repairs, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on 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 initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he has his services for this purpose, and why they were declined ☒

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? **Yes**

Donkey ☒

not done, state for what reasons? ☒

Parts of the Boilers could not be thus thoroughly examined? ☒

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? ☒

Date of internal examination of each boiler **Aft. Bunker & Fr. St. 20/11/35. Aft. P.S. 23/11/35** Present condition of funnel **Good**
For P.S. 26/11/35

Surveyor examine the Safety Valves of the Main Boiler? **Yes** To what pressure were they afterwards adjusted under steam? **205 lb**

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? **Yes** and of the Donkey Boilers? ☒

Surveyor examine the drain plugs of the Main Boilers? **None fitted** and of the Donkey Boiler? ☒

Surveyor examine all the mountings of the Main Boilers? **Yes** and of the Donkey Boiler? ☒

Shaft now been drawn and examined? **No** Is it fitted with continuous liner? ☒ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ☒

Now been changed? ☒ If so, state reasons ☒

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? ☒

Date of examination of Screw Shaft ☒ State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft **1/8 P.S.**

When parts, when referred to by numbers, should be counted from forward. Is electric light and power fitted? **Yes**

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

Comp. MS 12,34 : How done: Vessel placed in dry dock, propellers, sea connection and their fastenings examined & found in good order. Wears down as above.

Examined port turbine blading, rotors, rotor shaft & bearings & casings; port thrust & intermediate shafts, port side pumps, condenser under test; port reduction gear shaft; shaft bearings & teeth; ballast, G.S., D.F., & emergency bilge pumps; main & emergency dynamo engines, steering engine; pumping arrangement; starboard turbine blading, rotors, rotor shaft & bearings & casings, starboard reduction gear main wheel bearing & journals - now in good order. 2 Blades port propeller found slightly damaged now dressed up. Port main gear wheel nut hardened up & new dowel fitted.

BS: All main boilers examined internally & externally with their safety valves, doors and mountings & found in good order. Boilers and steam pipes examined under steam & safety valves adjusted as above.

General Observations, Opinion, and Recommendation: **The machinery of this vessel as 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, R.S. 9,11, R.M.S. 9,11, & L.M.C. 9,11, or L.M.C. 140 lb., F.D., &c.)**

seen is eligible in our opinion to remain as classed with fresh record of L.M.C. 12,34 as previously recommended and BS 12,35.

(per Section 29) **BS 9 - - -** Fees applied for **10**
MS 27 - - - Received by me **24.11.35**
Age or Repair Fee (if any) **8 - - -**
per Section 29. **2 - - -**
Expenses (if chargeable) **1 - - -**

Committee's Minute **LIVERPOOL 24 DEC 1935**

+ L.M.C. 12.34.
BS. 12.35.

CERTIFICATE WRITTEN
30.1.36



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Lloyd's Register
Foundation

"ARANDORA STAR"

ELECTRICAL INSTALLATION generally examined, tested for insulation resistance and tried and found satisfactory. Fittings on main and distribution switchboard and the cables, as far as practicable, examined and new satisfactory.

REPAIRS :- Main generators overhauled & varnished. Connections to 3 circuit breakers on main switchboard correctly made. Cables feeding bakers oven connected through D.P. knife switch & fuses. Refrig air pump motors, vent fan motors with their starters overhauled. Wiring throughout machinery spaces overhauled & new portable connections provided. Faulty insulation brought up to Rule Requirements.

R. C. Clayton.

Alteration :- New suction and heating coils satisfactorily fitted in For! part No. 4 DB tank P. 1 S (Tank divided at this time) in accordance with rule requirements. New piping tested after assembling & found tight.

H. R. Howells.

