

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

(Received at London Office 26 APR 1955)

Date of writing Report 31-3-55 19 31-3-55 19 When handed in at Local Office 31-3-55 19 Port of MELBOURNE

No. in Reg. Book 68192 Survey held at MELBOURNE Date: First Survey 4-3-55 Last Survey 29-3-55 19 (No. of Visits Seven)

on the Machinery of the Wood-Iron-or Steel S.S. "LOWANA"

Tonnage { Gross 3039 Vessel built at Port Glasgow By whom Dunlop, Brommer & Co. Ltd. When 1924 Year. Month. 6
 Net 1697 Engines made at " " By whom -do- When 1924

Nominal Horse Power } 362 MN Boilers, when made (Main) 1924 (Donkey) -

No. of Main Boilers 3SB Owners Melbourne S.S. Co. Ltd. Owners' Address (if not already recorded in Appendix to Register Book.)

No. of Donkey Boilers - Managers -do- Port Melbourne Voyage -

Steam Pressure in Main Boilers 180lb. If Surveyed Afloat or in Dry Dock Both Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

in Donkey Boilers - (State name of Dock.) Duke' & Orr's

Last Report No. Port Particulars of Examination and Repairs (if any) Docking and Boiler Survey

(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)

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).
*LOCAL		*LMC
shelter deck with freeboard 12,53		B.S. 11,53 M.S. 12,49 TS <u>M</u> 11,52
SS MEL - 12.49 (Dr)		
CARGO BATTENS NOT FITTED.		
<i>Laid Up - Always Broken</i>		

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 -

Was a damage report made by anyone else? If so, by whom? -

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

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 180lbs.

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

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

Has the screw shaft now been drawn and examined? NO Has it a continuous liner? - Is an approved oil retaining appliance fitted at the after end? -

Has shaft now 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 - State the wear down in the stern bush 3/16" Is electric light and/or power fitted? Yes 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? -

Engine parts, when referred to by numbers should be counted from forward. Auxiliary machinery should be referred to by position in Machinery Space.

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

Now Done for Boiler Survey The port starboard and centre boilers opened out, cleaned, examined and found in good condition except three tubes in the port boiler, six tubes in the centre boiler and one tube in the starboard boiler were all found stoppered. At the Owner's request, permanent repairs to these tubes has now been deferred and it is recommended that they be again examined before the end of June 1955 in the meantime all the stoppers have been renewed. Also in the centre and port boilers the flanging of the front end plate adjacent to the bottom of the centre furnaces was found grooved. This is considered to be efficient meanwhile but it is recommended that a further examination be made before the end of September 1955.

All boilers were afterwards examined under steam and their safety valves adjusted and blowing freely at 180lbs. per sq. in.

The Vessel placed in dry dock, propeller, outer end of sternbush and outside fastenings of sea connections examined, all sea cocks and valves opened out, reconditioned and all now good. Reports from the Chief Engineer and an examination of the Engine Room Log Book indicate that the main and auxiliary machinery has been operating in a satisfactory manner.

General Observations, Opinion, and Recommendation:— This Vessel's machinery as far as seen, is in good condition eligible in our opinion to have the record of B.S. 3,55 noted in the Register Book, subject to the stoppered tubes in all boilers being again examined before the end of June 1955 and to local grooving in way of centre furnaces of port and centre boilers being dealt with before the end of September 1955.

(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 *L.M.C. 140 lb., F.D., &c.)

Survey Fee (per Section 29) £ 40: 0: 0 Fees applied for, 30-3-55 19

Special Damage or Repair Fee (if any) (per Section 29.) £ : : Received by me, 19

Travelling expenses (if chargeable) £ : : 19

Committee's Minute THURSDAY - 9 JUN 1955

Assigned Deferred

E. North & *Smith*
 Engineer Surveyor to Lloyd's Register of Shipping.



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

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