

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

(Received at London Office)

125 AUG 1950

Date of writing Report 1st June 50 When handed in at Local Office 19 Port of Colombo
 No. in Survey held at COLOMBO Date. First Survey 8th February Last Survey 1st June 19 50
 Reg. Book. (No. of Visits Seven)

on the Machinery of the Steel S.S. "RAHUMANI" (EX "VIC 31") Year. Month. 1944
 Tonnage Gross 97 Vessel built at Waltham By whom Imbert & Sons When 1944
 Net 12 Engines made at Donkey When
 Nominal Horse Power Boilers, when made (Main) (Donkey)
 No. of Main Boilers Owners T. P. Abdul Rahman & Co. Owners' Address
 No. of Donkey Boilers Managers Port Colombo Voyage
 Steam Pressure If Surveyed Afloat or in Dry Dock Both Particulars of Classification which must be inserted
 in Main Boilers (State name of Dock.) Government Slipway precisely as in Register Book & Supplements.
 in Donkey Boilers

Last Report No. Port

Particulars of Examination and Repairs (if any) Classification, L.M.C., T.S. (O.G.)

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

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

Donkey " " " " " "

If not, state for what reasons

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 10th May 1950

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 120 lb/sq ins

Did the Surveyor examine the Safety Valves of the Donkey Boilers? Yes 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? Yes 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? Yes Has it a continuous liner? Not Is an approved oil retaining appliance fitted at the after end? Yes

Has shaft now been changed? No If so, state reasons

Is an approved oil retaining appliance fitted at the after end? Yes State date of examination of Screw Shaft

stern bush Close Is electric light and/or power fitted? No 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

Please see Secretary's letters dated - 3rd February 1950, 11th April 1950

Vessel placed on a slipway. The propeller (cast iron) and the stern tube external fastenings examined and found efficient.

The Tail Shaft was withdrawn, examined and found in good condition and the Oil Gland overhauled and placed in order. All sea connections were opened up, overhauled, examined and found in good condition. (Newarks Type oil gland)

MAIN ENGINES:- All cylinders pistons and rods, all slide valves, casings and spindles, all crankshaft journals and bearings, all crankshaft pins, bearings and bolts, the thrust shaft, the attached circulating, Air, Feed and Bilge pumps, the Main Condenser - all the above examined and found or placed in good condition.

General Observations, Opinion, and Recommendation:

(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, BS 3.11, RMS 3.11, LMC 3.11 or LMC 3.34, 140 lb., FD, &c.)

The Machinery of this vessel, is eligible in my opinion to be classed L.M.C.

with record of L.M.C 5.50 and Tail Shaft O.G. seen 3.50.

Survey Fee (per Section 29) L.M.C., T.S. (O.G.) £510.00

Special Damage or Repair Fee (if any) £

Travelling expenses (if chargeable) £30.00

Committee's Minute FRI. 13 OCT 1950

Assigned L.M.C 6.50

Fees applied for 1.6.50

Received by me, Not yet received

Engineer Surveyor to Lloyd's Register of Shipping.

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The General Service Pump and the ballast pump opened up and examined.

The Boiler examined internally and externally with all mountings and found or placed in good condition.

The Safety Valves were subsequently adjusted under steam to 120 lb per square inch.

The Main and Auxiliary Steam Pipes and feed pipes were satisfactorily tested to 240 and 200 lb per square inch respectively.

No electrical installation is fitted.

REPAIRS DUE TO WEAR AND TEAR:-

- 1) All main Engine bearings, valves and valve gear adjusted as found necessary.
- 2) All pumps overhauled and working parts renewed as necessary.

REPAIRS ON ACCOUNT OF REPLACEMENT OF STOLEN PARTS:-

- 1) All Steam pipes throughout vessel renewed. (Solid drawn copper piping used, all new pipes tested to twice working pressure.
- 2) All Boiler feed pipes renewed. Solid drawn copper used and tested to $2\frac{1}{2}$ times working pressure.
- 3) The Auxiliary Stop Valve chest renewed (Tested to twice W.P.)

All the above repairs have been efficiently carried out and the Main and Auxiliary Machinery tried under working conditions and found satisfactory.

PARTICULARS FOR REGISTER BOOK

Vertical Boiler built - Cochrane & Co 1943 No x T11148
Steam Pressure 120 lb G.S 26 H.S. 234

Engines:-

Compound H.P. Cyl 10 $\frac{1}{2}$ " 14" stroke
L.P. " 22"

Makers - Crabtree 1931 Engineers. Gt Yarmouth

Year of Build —

T.H. Noel