Rpt. 9.

No. 13555

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

(Received at London Office 24 FEB 1949)

Date of writing Report 26-1-1949 When handed in at Local Office 27-1-1949 Port of Calcutta

No. in Reg. Book. 57570 Survey held at Calcutta Date. First Survey 20-11-49 Last Survey 1-1-1949 (No. of Visits 1.)

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

Tonnage { Gross 5108 / Net 2375

Nominal Horse Power 1062 MN.

No. of Main Boilers 2 DB 2 SB

No. of Donkey Boilers one

Steam Pressure – in Main Boilers 200 lbs

in Donkey Boilers 100 lbs

Vessel built at Belfast By whom Workman Clark & Co. Ld When 1911 (Year.) 8 (Month.)

Engines made at Belfast By whom Workman Clark & Co. Ld When 1911.

Boilers, when made (Main) 1911 (Donkey) 1911

Owners British India Stm. Nav. Co. Ld Owners' Address ✓ (If not already recorded in Appendix to Register Book.)

Managers ✓ Port Glasgow Voyage ✓

If Surveyed Afloat or in Dry Dock (State name of Dock.) afloat or in drydock No 1 King George V. D.

Last Report No. Port

Particulars of Examination and Repairs (if any)

Docking, TS (N), BS, Repairs.

(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.

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 1,48
Shade dk.		CL 11,47
1,48		
SS. Cal. - 1-48 (Dy)		

SEE SPL. NOTE S.P.I. (MACHY)

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 " " " Yes

If this was not done, state for what reasons ✓

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 PF 27.11.48, P DB, 8.12.48 SF 16.12.48, S DB, 2.12.48 Dy Bl. 20.11.48 Present condition of funnel(s) Good.

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 200 lbs ϕ" (1-1-49)

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 100 lbs ϕ"

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

Did the Surveyor examine the drain plugs of the Main Boilers? Yes, and of the Donkey Boilers? Yes.

Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers? Yes.

Has the screw shaft now been drawn and examined? Port, 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? No

Has shaft now been changed? Yes If so, state reasons on account of suspected flaw.

Has the shaft now fitted been previously used? No Has it a continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No

State date of examination of Screw Shaft 22-12-48 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft P-close fit S-3/16"

Engine parts, when referred to by numbers, should be counted from forward.

Is electric light [redacted] fitted? Yes

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? No

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? No.

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

How done:- Vessel in drydock, propellers, outer end of stern bush, the port stern bush and port screw shaft and all sea connections examined and found or now placed in good condition.
Port screw shaft drawn in for examination - flaw at top of keyway suspected. New screw shaft now fitted - identification marks - B.O.T. 560 W.S. 21-9-44 & Lloyds 9178 J.H. 22-9-44.
BS:- Both double boilers, both single boilers and the donkey boiler examined in their entirety including their safety valves, mountings, manholes, doors and their fastenings and found or now placed in good condition.
The safety valves of all boilers were afterwards adjusted under steam as follows:- 2 double & 2 single boilers to 200 lbs ϕ" and donkey boiler to 100 lbs ϕ"

P.T.O.

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, B.S. 9,11, B.&M.S. 9,11, *L.M.C. 9,11, or *L.M.C. 140 lb., F.D., &c.)

This vessel's machinery so far as now seen is eligible in our opinion to be retained as now classed in the Register Book with fresh record of BS 1-49 and that of CL (P.N.) 12-48 CS 3,34.

Survey Fee (per Section 29)	Docking 85/- Rs. BS. £ 446/- Rs.	Fees applied for 27-1-1949
Special Damage or Repair Fee (if any) (per Section 29)	CL (N) £ 84/- Rs. Repairs. £ 140/- Rs	Received by me, 19
~~Travelling expenses (if chargeable)~~ Special attendances (m)	21-12-48, 1-1-49 200/- Rs.	

F. E. Sutcliffe A. McDougall.
Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute TUES. 29 MAR 1949

Assigned As next Port SN 12,48 BS 1,49

THACKER'S PRESS AND DIRECTORIES, LTD. CALCUTTA

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

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

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

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

Lloyd's Register Foundation
W416-0026

"EGRA"

Contd.

Repairs:- the following repairs now effected:-

Donkey boiler:- pt. f.c. one screwed stay renewed.
wasted shell plate at main check valve flange built up by E.W.
new drain plug fitted.

Pt. for.d boiler:- lower manholes built up and doors refitted.
Inboard low furnace - grooving in goose neck cut out and built up by E.W.
Port wing CC two stays & shell renewed and f.c. plate in way of one built up by E.W.

Starb.d double boiler:- Some grooving in furnace throats cut out and built up by E.W.
5 CC screw stays renewed.

Port double boiler:- Two goose necks built up where grooved.
8 C.C. stays renewed.
Bolts in two bottom Girders supporting CC's renewed.
Several smoke tubes expanded.

Start.d for.d single blr:- minor caulking in back ends.
Stb.d wing furnace throat grooving cut out and welded.

J.E. Pritchard