

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

FEB 23 1938

(Received at London Office)

Date of writing Report 15th February 1938 When handed in at Local Office 10 Port of Bilbao

No. in Survey held at Bilbao Date, First Survey 3rd February Last Survey 14th February 1938

75549 on the Machinery of the Wood, Iron or Steel S/S. GASTELU (No. of Voids 4)

Gross Tonnage 3272 Vessel built at Cadiz By whom Cekronieta Larriaga When 1921-8

Net Tonnage 2102 Engines made at Greenock By whom J. S. Kincaid & Co When 1921

Nominal Horse Power 411 Boilers, when made (Main) 1921 (Donkey) 1921

No. of Main Boilers 2 Owners Cia Naviera Suisperana Owners' Address As recorded

No. of Donkey Boilers 1 Managers ✓ (if not already recorded in Appendix to Register Book.)

Working Pressure in Main Boilers 180 lb. If Surveyed Afloat or in Dry Dock Yes Port San Sebastian Voyage Germany

No. of Donkey Boilers 100 (State name of Dock) Cia Compadre

Last Report No. _____ Port _____

Particulars of Examination and Repairs (if any) by Jacking & B.S.

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 details being detailed in the body of the report, should be chiefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

Where 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

Has a damage report been 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 personally go inside each Donkey Boiler separately and make a thorough examination at this time? Yes

If this was not done, state for what reasons? ✓

What parts of the Boilers could not be thus thoroughly examined? ✓

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? ✓

Latest date of internal examination of each boiler P.M.B. 3-2-38, S.M.B. 5-2-37, D.B. 8-2-37 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? 180 lb⁰

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 100 lb⁰

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 a screw shaft now been drawn and examined? Yes 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? ✓

Has a shaft now been changed? ✓ If so, state reasons ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

Has the 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? ✓

State the 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 3 3/4

Is electric light and/or power fitted? ✓

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

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 ✓

Work done:- Vessel placed in dry dock, propeller & all outside fastenings examined. All Sea valves & cocks opened out ground in & examined.

Both main boiler & the donkey boiler opened out & examined throughout, all their safety valves & mountings opened out ground in & examined.

All the safety valves of both main boiler adjusted under steam pressure to 180 lb⁰ & those of the donkey boiler to 100 lb⁰. Both main boiler & the donkey boiler examined under steam pressure.

Repairs now carried out. Port main boiler. Local wastage in two lower back combustion chamber plates built up by electric welding process.

Starboard main boiler. Local wastage at front end of starboard lower furnace built up by electric welding process.

General Observations, Opinion, and Recommendation: The Machinery of this vessel as far as now

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

Seen is in a good & satisfactory condition, eligible in my opinion to remain as classed, with fresh record of B.S. 2-38.

Survey Fee (per Section 29) 30.0 Fees applied for 15-2-1938

Special Damage or Repair Fee (if any) ✓ Received by me, Ignacio de Mendiagabal

Travelling expenses (if chargeable) 6 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 4 MAR 1938

Assigned RS 2.38

