

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

No. 1376

MUN. 30 JUN 1902

Date of writing Report 23 June 1902 When handed in at Local Office

(Received at London Office)

No. in Reg. Book. Survey held at Bilbao

Port of Bilbao

Date, First Survey 3 June Last Survey 21 July 1902

Material of the Machinery of the ~~Wood~~ or Steel s/s "Ballesteros n°3"

(No. of Visits 5)

Master G Suarez

Tonnage Gross 91 Net 64

Vessel built at Zalt Bommel By whom J. Meyer

When 1891-8

Registered Horse Power 40

Engines made at South Shields By whom G & T Grey

When "

No. of Main Boilers 1

Boilers, when made (Main) do

(Donkey)

No. of Donkey Boilers -

Owners So. Maritime Ballesteros

Port Aviles

Voyage Gijon

Steam Pressure in Main Boilers 140

If Surveyed Afloat or in Dry Dock in dry dock

(State name of Dock.)

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Survey No. Port

Particulars of Examination and Repairs (if any)

(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.

-100 A1
8-01

Machinery and Boiler Surveys (including date of N.B., if any).

-1 LMC: 9,0

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

Do. " Donkey " " "

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?

Did the Surveyor examine the Safety Valves of the Main Boiler?

To what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted under steam?

Has the propeller shaft been drawn and examined at this time? yes If spare propeller shaft fitted, state whether new?

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft?

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

This vessel sustained damages on her machinery through grounding (as stated). Engines have been opened out for examination being the vessel in to dry dock, & found as follows - viz.

Propeller blades, all broken away - H.P. piston rod, & H.P. & L.P. Valves spindless, so: somewhat, scored - H.P. piston packing rings defective - H.P. Slide valve & face, scored - Crank Shaft after journal started - Thrust shoes white metal, cracked, defective - Donkey pump damaged - two bilge lead pipes, broken - Sea cocks & Valves loose - Stem bush & fastenings of the Sea Connections found to be in good condition - Cylinders, pistons, L.P. Slide valve & face.

General Observations, Opinion, and Recommendation: - It is my opinion (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, E.S. 9,00, E.&M.S. 9,00 or L.M.C. 9,00, 140 lb., E.D., &c.)

That the machinery of this vessel is now in a satisfactory working condition. Therefore I recommend the notation of MS.6.02 in the Register Book

or Registration Fee (per Sec. 27) £ : : Fees applied for
Roy Fee (per Section 28) £ : :
Additional Damage Fee (per Section 28) £ : :
Selling Expenses (if chargeable) £ : :
Received by me, 21 June 1902

Carlos M. Perez
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping

Committee's Minute TUES. 1 JUL 1902

signed + L.M.C. MS. 6.02

Lloyd's Register Foundation

air & circulating pumps, Condenser
 propeller shaft & intermediate bearings
 ect. found to be in good condition.
 Repairs - New spare propeller
 has been fitted, Seamed up in order -
 H.P. piston rod, & H.P. & L.P. valves spindles
 been tried up in lathe & bushes renewed -
 New packing rings fitted to H.P. piston -
 H.P. slide valve & face, have been tried up -
 Crank shaft after journal renewed
 (fitted in order) - Thrust shoes rene=
 -aled - Shafting tried up & relined
 all fore & aft - Sea cocks & valves
 have been overhauled & refitted -
 Donkey pump, repaired & made efficient -
 Bilge lead pipes repaired - arran=
 gements of cocks, pipes ect overhauled -
 The above mentioned repairs, have
 been executed to my satisfaction
 Engines tried under steam
 & found everything working satisfactorily
 (and)

& THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

Damage.
 screw shaft examined & new propeller
 fitted, crank shaft repairs,
 shafting aligned a moderate
 machinery repairs.

It is submitted that
 this vessel is eligible for
 THE RECORD - L.M.C.M.S. 6.02
 PA 30602



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