

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

No. 11294

15 DEC 1952

Reporting Date 5th Dec. 52. Port of Bilbao  
 Survey held at Bilbao Date First Survey 12-7-52 Last Survey 17-11-52  
 On the Machinery of the Vessel S.S. "CARO PRIOR"

3367 Vessel built at Bilbao By whom Cia. Euskalduna de Const. 1917 I  
 1898 Engines made at W. Hartlapool By whom Cen. Mar. Eng. Wks. 1917  
 268 kW Boilers, when made (Main) 1917 (Donkey)  
 Owners Ybarra & Co. Owners' Address 38, E. 30, 30, 30  
 Boilers 2 SB Managers Port Seville Voyage  
 If Surveyed Afloat or in Dry Dock Dry dock - Euskalduna.  
 (State name of Dock)

Port No. Port  
 of Examination and Repairs (if any) DOCKING, T.S. & L.M.C.  
 when held must be reported in detail and serially in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs to the body of the report, should be briefly summarised at the end of the report. State also the date of completion of repairs.  
 If the Surveyor has not made a special damage report he is required to state whether he offered this purpose, and why they were declined.  
 report made by anyone else? If so, by whom?  
 or personally go inside each Main Boiler separately and make a thorough examination at this time? Yes  
 Donkey

What reasons? What parts of the Boilers could not be thus thoroughly examined?  
 In the absence of internal examination, were adopted by the Surveyor of the thorough efficiency of those parts of each Boiler?  
 of internal examination of each boiler P. & S. Birs. 10-10-52 Present condition of Funnels Good  
 or examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 180 lbs.  
 or examine the Safety Valves of the Donkey Boilers? To what pressure were they afterwards adjusted under steam?  
 or examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Donkey Boilers?  
 or examine the drain plugs of the Main Boilers? Yes, and of the Donkey Boilers?  
 or examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers?  
 shaft now been drawn and examined? Yes Has it a continuous liner? Yes Is an approved oil retaining appliance fitted at the after end?  
 been changed? No If so, state reasons Has the shaft now fitted been previously used? Has it a continuous liner?  
 oil retaining appliance fitted at the after end? State date of examination of Screw Shaft 31-10-52 State the wear down the 2.5 m/m. Is electric light and/or power fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear cables and fuses? Yes  
 resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes  
 referred to by numbers, should be counted from forward. Auxiliary machinery should be referred to by position in Machinery Space.  
 not complete, state what arrangements have been made for its completion and what remains to be done Complete.

DONE:-  
 Vessel placed in dry dock. Propeller, tail shaft, stern tube, sea connections and all side fastenings examined.  
 All cylinders, pistons, valves and faces, crank, thrust and tunnel shafting, main condenser (tested) attached and independent pumps and pumping arrangements examined.  
 Main and auxiliary steam pipes over 3" bore removed and tested to 2 W.P.  
 Dynamo, windlass and steering engine examined.  
 Electrical installation examined throughout and insulation megger tested and all found or placed in good order.  
 The main boilers opened out and examined together with their safety valves and other fittings, doors and fastenings.  
 On completion of repairs all boilers tested by hydraulic pressure to 100 lbs. per sq. in.  
 Safety valves of all boilers adjusted to above pressure and boilers examined (P.T.O.)

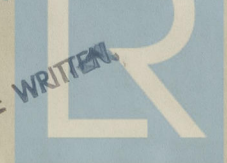
Observations, Opinion, and Recommendation:-  
 State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, BS 9,11, BENS 9,11, TS 9,11 or 140 lb., FD, &c.)  
 The machinery of this vessel is in good condition and eligible in my opinion to remain classed with fresh records of +LMC 11,52 and TS(CL) 10,52 and to have the notation of "Fitted oil fuel 11,52 F.P. above 150° F".

per Section 23) TS. & LMC. Pts. 6.450  
 Alterations. Pts. 2.000  
 (per Section 23.)  
 Expenses (if chargeable) £ 84  
 THU 1 JAN 1953  
 +LMC 11,52 without spl. con.  
 S 10,52.  
 Fitted for oil fuel 11,52, F.P. above 150° F.  
 TS. & LMC. Pts. 6.450  
 Alterations. Pts. 2.000  
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 S 10,52.  
 Fitted for oil fuel 11,52, F.P. above 150° F.

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

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

Loe 14th Dec 1952  
 Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

003495-003502-0043

S.S. "CABO PRIOR"

under steam and found in order.

ALTERATIONS:-

Oil-fuel-burning installation now fitted in accordance with approved plans, approved 30.9.52.

2 settling tanks constructed after end of No.2 hold at centre between frames 83-86 in accordance with approved plan; see Hull Report.

Air and sounding pipes are fitted in accordance with the Rules and overflow pipes are fitted with sight glasses.

The oil-fuel, suction and discharge pipes have been tested hydraulically as per Rule. The funnel damper has been fitted with efficient locking arrangements in the full open position.

Steam smothering pipes have been fitted under the boilers and in way of settling tanks in boiler room and the steam supply for steam smothering and O.F. pressure and transfer pumps are controlled from the casing top.

The installation examined on completion under working conditions and found satisfactory.

REPAIRS DUE TO WEAR AND TEAR:-

Main Condenser- Retubed and tested.

Steering engine- Slide valves renewed and chest rebored.

New C.I. four blades propeller fitted. Marks: LLOYD'S 6-10-52 J.M.R.

Port Boiler- Lower manhole door opened, built up with E.W. and doors refitted.

30 defective plain tubes and 18 stay tubes renewed.

13 screw stays renewed.

Collision check renewed.

Starboard Boiler- 24 defective plain tubes and 17 stay tubes renewed.

2 screw stays renewed.

Collision check renewed.

Donkey Boilers- Has now been removed from on board.