

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

(Received at London Office TUE MAY 22 1923)

Date of writing Report 28<sup>th</sup> APR 1923 When handed in at Local Office 29<sup>th</sup> APR 1923 Port of MOBILE ALA  
 No. in Reg. Book 58077 Survey held at MOBILE Date, First Survey 8<sup>th</sup> APR Last Survey 28<sup>th</sup> APR 1923  
 on the Machinery of the ~~Wood, Iron or Steel~~ S.S. "DERBYLINE" Master                       
 Tonnage } Gross 7063 Vessel built at ALAMEDA, CAL. By whom BETHLEHEM S.B. CPN, L.D. When 1919  
 Net 4349 Engines made at SAN FRANCISCO CAL By whom BETHLEHEM S.B. CPN When 1919  
 Registered Horse Power 597 Boilers, when made (Main) 1919 (Donkey) 1919  
 No. of Main Boilers 3 S.B. Owners THE TEXAS CO INC Port PE ARTHUR TEX Voyage PORT LOBUS.  
 No. of Donkey Boilers 1 If Surveyed Afloat NO or in Dry Dock YES  
 Steam Pressure in Main Boilers 220 (State name of Dock.) ALABAMA D. D.  
 in Donkey Boilers                     

Last Report No.                      Port                       
 Particulars of Examination and Repairs (if any) L.M.C.

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

CHARACTER. X for Special Survey. Date of last Survey and of Periodical Surveys.	Year Assigned and Applied.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>CLASS</u>		
<u>CONTEMPLATED</u>		
<u>CARRYING PETROLEUM IN BULK</u>		<u>FITTED FOR</u>
<u>LONGITUDINAL FRAMING</u>		<u>FUEL OIL</u>

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.

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  
 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? Yes To what pressure were they afterwards adjusted under steam? 220 LBS  
 Did the Surveyor examine the Safety Valves of Donkey Boiler?                      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 Boiler?                       
 Did the Surveyor examine the drain plugs of the Main Boilers? Yes, and of the Donkey Boiler?                       
 Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boiler?                       
 Has screw shaft now been drawn and examined? Yes Is it fitted with continuous liner? Yes or two liners?                      or is it without liners?                       
 Has shaft now been changed? No If so, state reasons                       
 Is the shaft now fitted new?                      Has it a continuous liner?                      or two liners?                      or is it without liners?                       
 State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? 1/8"  
 If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete :-

Classification: Engines and boilers opened out - examined and now in good order; tail shaft examined and found satisfactory; the arrangements of sea cocks, large suction and valves found to be in good order and to conform with the requirements of the Rules:-

L.M.C. Propeller, stern tube, stern bush, sea valves, connections and fastenings examined and found good; cylinders, pistons, slide valves, Crank, Thrust- and tail end shafts, pumps, valves, cocks, pipes, strainers and pumping arrangements examined and now in good order; Condenser examined tested and found tight;

Main Boilers examined internally and externally and found in good condition, witnessed hydraulic test to 310 lbs. Mountings overhauled, examined and now in good order; Safety valves examined and adjusted as above noted;

How done: New piston rings fitted to feed & circulating pumps and several

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, or L.M.C. 9.11, 140 lb., F.D., &c.)

The machinery and Boilers of this vessel are now in good and safe working condition and eligible in our opinion, to be classed as recommended in the first entry report herewith: viz. Notations L.M.C. 4.23 - F.D. and fitted for OIL FUEL 4.23. F.P. ABDE 150° F. in the Register Book

Survey Fee (per Section 25)                      Fees applied for                       
 Special Damage or Repair Fee (if any)                      Received by me,                       
 Travelling Expenses (if chargeable)                     

                     John S. Heck  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute                      New York MAY 8 1923  
 Assigned                      See Report N.Y. 22751



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

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

If so, to be sent to

Minor repairs:-

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

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