

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

(Received at London Office)

23 JUN 1942

Date of writing Report May 21, 1942 When handed in at Local Office 19Port of Boston, Massachusetts

Survey held at Boston Date, First Survey May 4, Last Survey May 11, 1942  
(No. of Visits 5)

on the Machinery of the ~~Wood, Iron or Steel~~ S.S. "William H. Machen" Year. Month.

Gross 3922 Vessel built at Camden, N.J. By whom New York S.B. Co. When 1916 2

Net 2454 Engines made at Camden, N. J. By whom New York S.B. Co. When 1916 2

Boilers, when made (Main) 1916 (Donkey)

Owners Pocahontas S.S. Co. Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Wilmington Voyage Norfolk

If Surveyed ~~XXXXXX~~ in Dry Dock Yes Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

(State name of Dock.) Bethlehem Steel Company  
Simpson Yard

Report 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 use 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 sides 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.

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.

Is a damage report made by anyone else? If so, by whom? Yes

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

Did the Surveyor go inside each Donkey Boiler? Yes

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

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? Yes

What was the latest date of internal examination of each boiler? 8-5-42 Present condition of funnel Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 190 LBS

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

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? 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 the shaft now been changed? No If so, state reasons. Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Now

Has the shaft now fitted been previously used? Yes 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? Now

What was the date of examination of Screw Shaft? 9-5-42 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft. rewooded

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and power fitted? Yes

Has the Surveyor examined the generators, motors, switchgear, cables and fuses? Yes

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. REMAINS TO BE DONE TO COMPLETE

SURVEY: L.P. cylinder, crankshaft, main bearings, crankpin bearings, attached feed and bilge pumps,

auxiliary feed pump, ballast pump and general service pump, pumping arrangements, sea valves,

electric light generators and wiring to be examined.

PARTIAL SPECIAL MACHINERY SURVEY: MAIN ENGINE: H.P. cylinder, piston and rings examined. M.P.

cylinder examined, bored and a hood piston fitted, new diameter 37-5/8". H.P. valve chest and

valve examined and rings adjusted. M.P. valve chest bored and valve rings renewed. L.P. valve

chest and slide valve examined and surface of/cover planed. All eccentric straps removed, four

eccentric sheaves machined and all straps remetalled. Thrust shaft examined, all shoes removed

and examined. I.P. crosshead go-ahead slipper remetalled and piston rods skimmed up. Main air

pump opened up, examined, valve seats faced and valve discs renewed. Main condenser examined. (Cont'd)

General Observations, Opinion, and Recommendation:— The boilers and machinery of this vessel

(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.E.M.S. 9,11, \*L.M.C. 9,11, or

\* LMC 140 lb., F.D., &c.)

are in good and safe working order and in the opinion of the undersigned eligible to remain as now

classified in the Register Book, with fresh records of Tailshaft seen (CL) 5,42, B.S. 5,42 and LMC

with date on completion of survey.

Survey Fee (per Section 29) £ \$ 100.00 Fees applied for 21-5 1942

Special Damage or Repair Fee (if any) £ : : Received by me, 19

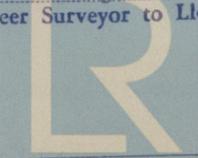
(per Section 29.) Travelling expenses (if chargeable) £ : 2.00

Committee's Minute NEW YORK MAY 27 1942

Assigned As usual

M. S. Hartley B. S. 5,42 T. S. 5,42

*Thomas Saville*  
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

U 137-0119(112)

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

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

S.S. "WILLIAM H. MACHEN"

VESSEL PLACED IN DRY DOCK: Sea valves overhauled and examined. Tailshaft drawn inboard and examined. Stern bush rewooded. Propeller blade nuts hardened up and cemented.

ANNUAL BOILER SURVEY: Two main boilers examined internally and externally. STARBOARD BOILER: Three staybolts renewed in inboard combustion chamber and one tube renewed.

PORT BOILER: Three staybolts renewed in outboard chamber and two bolts renewed in inboard chamber. Safety valves and mountings overhauled and examined. Steam pipes examined in place. Safety valves adjusted to requisite pressure under steam.

*Thomas D. Davis*

*Art'd.  
MS Parcely held.*

*Amend 17 gyl. dtd. 8 37 1/2  
P.P.  
2/6/42*