

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

Date of writing Report Sept 24 40 When handed in at Local Office Sept 24 40 Port of New York (Received at London Office, OCT 25 1940)

No. in Survey held at New York Date, First Survey May 17 38 Last Survey Aug 5 40  
g. Book. 7260 on the Machinery of the Wood, Iron or Steel Swiss Ship BROOKLYN HEIGHTS (No. of Vessels 18)

Gross Tonnage 1030 Vessel built at Stockholm By whom Sodra Sjöfart Aktief When 1917  
Net Tonnage 569 Engines made at " By whom Atlas Co. When 1926

Boilers, when made (Main) (Donkey) 1926  
Owners North American Mfg. Ship Bldg. Owners' Address 26 Broadway New York  
Managers " Port New York Voyage "

If Surveyed Afloat or in Dry Dock Both, Sullivan Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

1st Report No. " Port "  
Particulars of Examination and Repairs (if any) Lme & S

Medical 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. Yes

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

What parts of the Boilers could not be thus thoroughly examined? None

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? None

What is the latest date of internal examination of each boiler? 24/6/40 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? 120 lbs.

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 120 lbs.

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? Yes

Has the shaft now been changed? No If so, state reasons "

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? Yes

What is the date of examination of Screw Shaft? 26/6/40 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft? 0.5 in

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

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

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

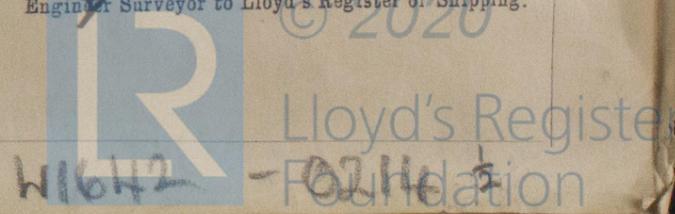
If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Complete

Work done: Fuel found on dry dock. P.S. Tail Shaft drawn & repaired & P.S. Sec. fastenings opened up & examined. Fastenings good. P.S. main engine cylinders, pistons, rods, wrist pins & guides, heads & valves, including compressor & scavenging pump) and crank shaft examined. P.S. out & tunnel shafting examined. Steam & Diesel Generator cylinders, pistons, rods, wrist pins & guides, cones, and valves, and crank shaft examined. P.S. auxiliary compressor cylinders, pistons, rods, heads & valves & crank shaft examined. Lubricating oil, cooling water ballast, general services, bilge, fuel oil transfer & daily bilge pumps examined. Starting tank, lub oil & daily service tanks examined internally. Fuel hydraulic tank of 1500 lbs. on high pressure air bottles applied by H.S. Dept. General Observations, Opinion, and Recommendation: - Bottles afterwards examined internally.

Fee (per Section 29)..... \$215.00  
Damage or Repair Fee (if any)..... £  
Working expenses (if chargeable)..... £

Received by me, H. Dwyer  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute See 1st Entry Report attached



Vertical text on the left margin: Recommendations, 11/33, 11/35, 11/37, 11/39, 11/41, 11/43, 11/45, 11/47, 11/49, 11/51, 11/53, 11/55, 11/57, 11/59, 11/61, 11/63, 11/65, 11/67, 11/69, 11/71, 11/73, 11/75, 11/77, 11/79, 11/81, 11/83, 11/85, 11/87, 11/89, 11/91, 11/93, 11/95, 11/97, 11/99, 12/1, 12/3, 12/5, 12/7, 12/9, 12/11, 12/13, 12/15, 12/17, 12/19, 12/21, 12/23, 12/25, 12/27, 12/29, 12/31, 12/33, 12/35, 12/37, 12/39, 12/41, 12/43, 12/45, 12/47, 12/49, 12/51, 12/53, 12/55, 12/57, 12/59, 12/61, 12/63, 12/65, 12/67, 12/69, 12/71, 12/73, 12/75, 12/77, 12/79, 12/81, 12/83, 12/85, 12/87, 12/89, 12/91, 12/93, 12/95, 12/97, 12/99, 13/1, 13/3, 13/5, 13/7, 13/9, 13/11, 13/13, 13/15, 13/17, 13/19, 13/21, 13/23, 13/25, 13/27, 13/29, 13/31, 13/33, 13/35, 13/37, 13/39, 13/41, 13/43, 13/45, 13/47, 13/49, 13/51, 13/53, 13/55, 13/57, 13/59, 13/61, 13/63, 13/65, 13/67, 13/69, 13/71, 13/73, 13/75, 13/77, 13/79, 13/81, 13/83, 13/85, 13/87, 13/89, 13/91, 13/93, 13/95, 13/97, 13/99, 14/1, 14/3, 14/5, 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"BROOKLYN HEIGHTS"

Cumulating arrangements examined. Electric installation examined and tested.

Returned to hydraulic test of 180 lbs on the donkey boiler and steam pipes applied by U.S. inspectors, the boiler was afterwards examined internally & externally & found in good condition, all mountings found good. Safety valves adjusted under steam to 120 lbs.

Main & Aux machinery examined under working conditions.

R.B.



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Lloyd's Register

W1642-0214

Noted

For N.A. dms 840. N.A. 840  
Sb. 40 O.G.

Oil Service 2 to 3a.

say 15 7/8 - 28 1/4

NHP 350.

NE 26.

NHP 26-120th

B.N.W.  
11-51

Submitted the surveyor  
he asked the name of  
the oil retaining gland  
under which it  
received the  
strictly approval

Di. 26-244

DA

14/12/40

*[Faint handwritten text, possibly bleed-through from the reverse side of the page]*



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Foundation