

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

(Received at London Office 15 JUN 1949)

Date of writing Report 20-5-49 19 When handed in at Local Office 19 Port of Bangkok.

No. in Survey held at 9103. on the Machinery of the Wood, Iron or Steel S.S. NANG SIANG NANA.

Age { Gross 1479 Vessel built at Seattle (Wash.) By whom J. F. Duthie When 1920. Month.
Net 822 Engines made at Seattle (Wash.) By whom Hendershaw & Co. When 1920.
Nominal { Boilers, when made (Main) 1920. (Donkey)
se Power { Owners Thai Maritime Nav. Co. Ltd. Owners' Address
of Main Boilers Two Managers (If not already recorded in Appendix to Register Book.)
of Donkey Boilers - Port
in Pressure 170 lbs/sq. in Dry Dock Kanythep Dock Co. Voyage
Main Boilers 170 lbs/sq. in Dry Dock Kanythep Dock Co. Particulars of Classification (which must be inserted
Donkey Boilers (State name of Dock.) precisely as in Register Book & Supplements).

st Report No. Port

Particulars of Examination and Repairs (if any) B.S.

Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause 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.

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.

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

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

Donkey

is was not done, state for what reasons.

what parts of the Boilers could not be thus thoroughly examined?

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?

latest date of internal examination of each boiler 1-5-49. Present condition of funnel(s) Good

he Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 170 lbs/sq. in

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

he Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Donkey Boilers?

he Surveyor examine the drain plugs of the Main Boilers? None, and of the Donkey Boilers?

he Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers?

he screw shaft now been drawn and examined? No Is it fitted with continuous liner? Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No.

shaft now been changed? No If so, state reasons.

he shaft now fitted been previously used? Has it a continuous liner? Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

date of examination of Screw Shaft State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 3/32"

parts, when referred to by numbers, should be counted from forward.

did the Surveyor examine the generators, motors, switchgear, cables and fuses? No.

he insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? No.

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

It was stated that a number of stays & tubes had been leaking heavily. A water test was made. It was seen that these stays & tubes were leaking before any pressure was reached, it was recommended therefore that all leaking stays & tubes be renewed as they had been caulked & expanded so many times before. When these had been cut out it was seen that the threads in the stays & wrapper plates were badly rusted, that tubes were wasted in way of tube plates. The threads in the tube plates were cleaned up & new stays made & fitted. No test certificates were available for the material used, samples were therefore sent to the only testing establishment in Bangkok - The Royal Marine Navy (Cont.)

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, *L.M.C. 9,11, or *L.M.C. 140 lb., F.D., &c.)

The boilers of this vessel are eligible, in my opinion, to remain as classed with record of BS 5,49.

Tgs 1800-00

Fee (per Section 29) £ : : Fees applied for 19-5-49

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

(per Section 29)

ing expenses (if chargeable) £ : :

Committee's Minute FRI. 15 JUL 1949

igned Bth. 4.5.49

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

010089-010095-0262 1/2

Bl. S. now held,
a number of screw stays & tubes
renewed.

It is submitted that this
vessel is eligible for THE
RECORD. Bl. S. 5. 68.

A test-certificate for the
new tubes & stays is
enclosed.

12/7/68.

Observations, Opinion, and Recommendations

[Faint handwritten notes in the left margin, mostly illegible.]

[Main body of handwritten notes, mostly illegible.]

Particulars of Classification (which must be inserted in the Register Book)

Particulars of Classification	Remarks
...	...



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OFFICE OF SURVEY FOR REPAIRS, &c., OF ENGINES & BOILERS

S. S. NANG' SLIANG NAWA.

Dockyard - but no certificate has yet been received. Altogether 409 screwed stays were renewed, 298 boiler tubes as shown on the attached plan. Boilers were subsequently tested to a water pressure of 190 lbs/sq. in. found tight.



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