

(Received at London Office

27 NOV 1946

Port of Amsterdam

in Survey held at Amsterdam
Book.

Date. First Survey 10th Sept. Last Survey 5th Nov. 19 46
(No. of Visits 13)

877 on the Machinery of the ~~Wood, Iron or Steel~~, STAHLACK now HARDENBURG

Gross 1663 Vessel built at Bremen By whom Act. Ges. Weser When 1923
 Net 904 Engines made at Bremen By whom Act. Ges. Weser When 1923
 Minimal 207 Boilers, when made (Main) 1923 (Donkey) ✓
 e Power of Main Boilers 2 Owners Neuberg & Co. Ges. "Hansa" Owners' Address Amsterdam
 f Donkey Boilers now, Non. Ned. Handels Maats. (if not already recorded in Appendix to Register Book.)
 m Pressure—Managers Port. Bremen Voyage now Amsterdam
 Main Boilers 14 kg/cm² AND IN DRY DOCK now Amsterdam
 Donkey Boilers ✓ Surveyed Afloat or in Dry Dock Ships and Trade Particulars of Classification (which must be
 (State name of Dock.) 2nd ADM precisely as in Register Book & Supplements.

Report No. _____ Port _____

Particulars of Examination and Repairs (if any) Entry Survey

diol Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the Cause of Repairs, if any, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be ed) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly marised at the end of the report. State also the dates and initials of any letters respecting this case.....

image 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?

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

" Donkey " " " ✓
 It state for what reasons ✓ What parts of the Boilers could not be thus thoroughly examined?

at 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?
 The latest date of internal examination of each boiler *Port boiler 10/9 - Starb. boiler 24/9 - 1946*

the Surveyor examine the Safety Valves of the Main Boilers? yes To what pressure were they afterwards adjusted under steam? 14 kg cm²

the Surveyor examine the Safety Valves of the Donkey Boilers?.....✓..... To what pressure were they afterwards adjusted under steam?.....✓.....

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

the Surveyor examine the drain plugs of the Main Boilers? ☒ and of the Donkey Boilers? ☒

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

the screw shaft now been drawn and examined? yes Has it a continuous liner? yes Is an approved oil retaining appliance fitted at the after end? no

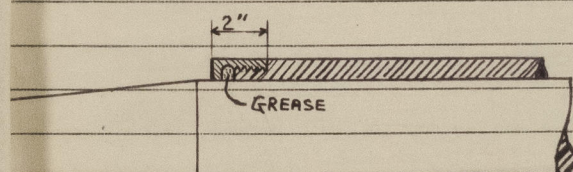
shaft now been changed? no If so, state reasons ✓ Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓

Is approved oil retaining appliance fitted at the after end? ☒ State date of examination of Screw Shaft 10-46 State the wear down in the

ern bush LIGNUM VITAE ~~RENEWED~~ electric light and/or power fitted? yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes

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

The Survey is not complete, state what arrangements have been made for its completion and what remains to be done. *a direct bilge suction of the inder-
-stand power pump to the machinery space to be fitted, a second supply to the navigation lights from an
alternative circuit to be fitted, and the machinery space gear to be completed. It has been reported that
this will be done at the vessels return of her present voyage.*



Vessel placed in dry dock. Propellers left drawn, examined and found in satisfactory condition; found the after end of the TS liner provided with a screw-ring (see sketch). This ring, being worn, has been renewed; the part of the shaft underneath found in order. has been renewed. Stern bush and stuffing box found in order. and found a blade-point missing; a new blade-point has been fitted and hammer tested and found in order.

and made in order.

PLEASE SEE CONTINUATION SHEET

General Observations, Opinion, and Recommendation:— *The machinery is in a good condition*

(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, BS 9.11, B&MS 9.11 ~~X~~LMC 9.11 or ~~X~~LMC 140 lb., FD, &c.)

am of opinion that this vessel is eligible to get the record LMC. 11,46 with notation TS seen 10,46
the Register book, subject to a direct bilge suction of indep. power pump to machinery space being fitted,
second supply to navigation lights being fitted and machinery spare gear being completed.

vey Fee (per Section 29)..... £ 250.-

Special Damage or Repair Fee (if any) _____ £ : :
(per Section 29.)

travelling expenses (if chargeable)..... £ 10.-

Fees applied for
26-11-1946

Received by me,

19

Committee's Minute FRI. 28 FEB 1947

signed See F.E. mchey. vpl.

Engineer Surveyor to Lloyd's Register of Shipping.

009896-00

© 2021

Lloyd's Register
Foundation

Present Character of Shin and Machinery precisely as in the Register Book.

Amsterdam Surveyors

machinery of the S/S "AARDENBURG" (ex "Stahluck")

The main engine entirely opened out and examined; HP-, MP and LP cylinders, pistons, slide valves and chests, piston rods, slide valve rods, cross heads with their top end brasses and link motion gear found in order. Crankshaft entirely examined and found with main bearings and MP bottom end brasses in good condition; HP & LP bottom end brasses and upper half of N°2 bearing brasses reinstalled.

The M/E driven pumps opened, examined and found or made in order; piston rod of air pump renewed, cylinder liner and piston rod of circulating pump renewed, both bilge plungers skimmed-up and re-bushed and both feed plungers found in order. The reversing-engine of the all-round motion examined and made in order; both slide valve boxes bored out and slide valves renewed.

Thrust shaft with horse-shoes and bearings examined and found in satisfactory condition, 1 horse shoe reinstalled. Intermediate shafting examined and found with its bearings in good condition.

Ballast pump and feed pump examined and found in order. An additional general service pump (Weir-Simplex-7 T/h) has been fitted. Dynamo engine examined and made in order; slide valve box bored out, slide valve renewed, piston rod and valve rod skimmed up and rebushed, cross head pin renewed.

Condenser chemically cleaned, hydr. tested and 550 tubes with their ferrules renewed. Bilge- and ballast valves and pipes of pumping arrangement examined and found or made in order; stated the absence of a direct bilge suction of the independent power pump to the machinery space. All machinery space gear verified and found not complete; indicated the missing parts to be supplied.

Both main boilers examined internally and externally (with insulation removed) and found in satisfactory condition; all combustion chamber top stays replaced by stays with solid heads (Dutch Government requirements); both boilers hydr. tested with satisfactory results. The insulation has been entirely renewed.

All mountings and safety valves examined and found or made in order. The steel main steam pipe line hydr. tested to 42 kg/cm² and found in order.

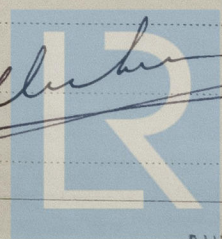
Electric Equipment: The dynamo examined, megger tested and found in order.

The whole electric installation examined and found or made in order; cables, fittings, etc. renewed where necessary and afterwards megger tested with satisfactory results.

Stated the absence of a second supply to the navigation lights from an alternative circuit.

On completion of the survey the main engine, auxiliaries and boilers have been tried under steam with satisfactory results, and the safety valves adjusted.

[Signature]



© 2021

Lloyd's Register
Foundation