

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

(Received at London Office

21 NOV 1945

Date of writing Report 19..... When handed in at Local Office 19..... Port of Liverpool

No. in Reg. Book. 34558 Survey held at Liverpool & Birkenhead Date. First Survey 18/7/45 Last Survey 1/11/45 (No. of Visits 18)

on the Machinery of the Wood, Iron or Steel M.V. "EMPIRE NIDD"

Gross Tonnage 4442 Vessel built at DANZIG By whom DANZIGER WERFT A.G. When 1939 Month 1943

Net Tonnage 2644 Engines made at AUGSBURG By whom MASCHINENFBK. AUGSBURG-NÜRNBERG A.G. When

Nominal Horse Power

Boilers, when made (Main)

Boilers, when made (Donkey)

Owners Ministry of War Transport Owners' Address

Managers Stanley & John Thompson Port LONDON Voyage

Surveyed Afloat or in Dry Dock West Hoat - Cammell Laird. Particulars of Classification which must be inserted precisely as in Register Book & Supplements.

First Report No. Port Donkey Boiler Survey and General Examination.

Particulars of Examination and Repairs (if any) Donkey Boiler Survey and General Examination.

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.

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. no damage

Is a damage report made by anyone else? If so, by whom? none

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? none

Donkey " " " " yes

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? ✓

What is the latest date of internal examination of each boiler? 11.9.45 Present condition of funnel(s) good

Did the Surveyor examine the Safety Valves of the Main Boilers? ✓ To what pressure were they afterwards adjusted under steam? UPPER. 120 lbs/ft

Did the Surveyor examine the Safety Valves of the Donkey Boilers? yes To what pressure were they afterwards adjusted under steam? LOWER. 105 lbs/ft

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

Did the Surveyor examine the drain pipes of the Main Boilers? ✓ and of the Donkey Boilers? none

Did the Surveyor examine the drain pipes of the Donkey Boilers? no and of the Donkey Boilers? yes

Has it a continuous liner? ✓ Is an approved oil retaining appliance fitted at the after end? ✓

Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓

State date of examination of Screw Shaft not examined State the wear down in the flight and/or power head? yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes

Have the electrical circuits and apparatus been tested and found to be not less than 20000 volts? yes

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

What arrangements have been made for its completion and what remains to be done. complete

Examination has now been carried out for contemplated classification.

Remarks: Vessel placed in drydock. Propeller and outside fastenings of sea connections examined and found satisfactory.

Gen. Exam. The following machinery parts opened out and found satisfactory; main engine nos 1, 2, 4, 5, 6 and 7 cylinder liners, covers, pistons and valves.

no 2 crankpin and bearings.

no 2 crankshaft journal and bearings.

combined jacket cooling water and piston cooling water pumps

port and emergency generator engine cylinders, liners, pistons, covers, valves, valve gears, guide pins and bushes, crankshafts and bearings.

General Observations, Opinion, and Recommendation: The machinery of this vessel, P.T.O.

(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 or LMC 9,11 or LMC 140 lb., PD, &c.)

where now seen, is eligible in our opinion to have record of Examined L.R. 10,45 and DBS 10,45.

Survey Fee (per Section 29) DBS £ 4 : 0 : 0 Fees applied for 14 NOV 1945

Special Damage or Repair Fee (if any) (per Section 29.) £ : : Received by me, for R.O. Batchelor, self. W. Sheehar, 4/11/45

Travelling expenses (if chargeable) £ - : 3 : 4 20 NOV 1945

Assigned D.B.S. 10.45. (Upper 120 lb. lower 105 lb.)

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



General Examination. (continued). After feed water pump
lost and started starting air receivers internally and externally
with mountings.

Douky Boiler Survey. Coal fired vertical douky boiler examined internally
and externally with mountings, manholes, doors and their fastenings
and found satisfactory. Safety valves adjusted under steam at
105 lbs/sq". This boiler was originally intended to be oil fired but the
oil fuel burning installation has not, yet, been installed.

"ha mont" water tube boiler examined with its
mountings, elements hydraulically tested and the safety valves
adjusted under steam at 120 lbs/sq". Boiler circulating pump
examined and found satisfactory.

main and essential auxiliary machinery examined under working
conditions, on completion, and found satisfactory.

It was observed that main engine cylinder liners were
"LLOYDS TEST 2395 45 ATMS. 14. 12. 39. H"

Electrical Equipment

Installation consisting of 2 - 60kw and 1 - 30kw
motor, 2nd gear, lighting steering installation examined started.
conditions Circuit breaker tested for reverse current operation. Run
carried out.

The following repairs etc were carried out: 44 additional cables for
field, 16 Pyrometer fitted to main engine, All engine room water scalded gear
all winches overhauled & new contactor gear fitted, Generator examined, all
gears overhauled. Lighting circuits throughout vessel overhauled & made good
as found necessary. Low insulation faults located & removed.

License checked & book verified on board.

As the vessel was commenced
in 1939 and completed in
1963 the Survey should
arrange to draw the
Survey report for
examination to an
agent of opportunity.
CONSENT

Red



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