

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

(Received at London Office 15 OCT 1948)

Date of writing Report

19

When handed in at Local Office

14 OCT 1948

19

Port of NEWCASTLE-ON-TYNE

No. in Survey held at JARROW ON TYNE

Date. First Survey 4/8/48

Last Survey 14/9/48

(No. of Visits 5)

19

76911 on the Machinery of the Wood, Iron or Steel

"TANFIELD"

Gross 4538  
Net 2776

Vessel built at NEWCASTLE

By whom NTHMBLAND S. B. CO. LD.

When 1916 6

Nominal Horse Power 465 MN

Engines made at SUNDERLAND

By whom RICHARDSONS, WESTGARTH &amp; CO. LD.

When 1916

No. of Main Boilers 3 SB

Boilers, when made (Main) 1916

(Donkey)

2 CO. LD.

No. of Donkey Boilers 1

Owners BASINGHALL SHIPPING CO. LD.

(if not already recorded in Appendix to Register Book.)

Steam Pressure in Main Boilers 180 lbs

Managers P. BAUER.

Port

Voyage

In Donkey Boilers 1

If Surveyed Afloat &amp; in Dry Dock

PALMERS D.D. JARROW

Particulars of Classification (which must be inserted precisely as in Register Book &amp; Supplements).

Last Report No. Port

Particulars of Examination and Repairs (if any) + LMC.

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.

In 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.

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

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

" " Donkey " " " "

Was this not done, state for what reasons

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

Also 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?

State latest date of internal examination of each boiler Survey Suspended (See body of report)

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

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

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

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

Did the Surveyor examine all the mountings of the Main Boilers? and of the Donkey Boilers?

Is the screw shaft now been drawn and examined? No. Due for Survey. 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?

Is shaft now been changed? If so, state reasons

Is the 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?

State 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.

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

Is electric light and/or power fitted

So, did the Surveyor examine the generators, motors, switchgear, cables and fuses?

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

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

To complete the survey, the

following parts require to be opened out & examined:

S.S. to be drawn:

Auxiliary Condensers: S.S., circulating, Feed pumps: Dynamo engines:

Pumping arrangements: Steam pipes: Windlass: And recommendations

carried out for parts already examined.

Now done:- Vessel in dry dock. Sea connections opened out & examined: The following parts opened out & examined, viz: Main Engine cylinders, Pistons, valves, steam chests, crankshaft pins, journals & main (top) valves, Bottom end bearings, Thrust, Intermediate shafting, Main condenser, Attached pumps, Ballast pump, Aux. condenser circulating pump, Ash Ejector pump, Main Boilers & mountings (Further examination necessary), Steering Engine:

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.)

CS 3,34,

For the Information of the Committee.

Survey Fee (per Section 20) Law Lme. £ 12. 0. 0

License Supervision.

Special Damage or Repair Fee (if any) £ :

(per Section 20.)

Travelling expenses (if chargeable) £ :

Fees applied for

14 OCT 1948

Received by me,

19

Committee's Minute

Assigned

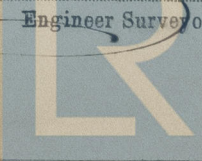
FRI. 29 OCT 1948

Deferred

Aburles

W. H. H. H.

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation



"TANFIELD"Recommendations:-

Tail Shaft:- To be drawn. Survey now due.

M. Engine:- H.P. M.P. & L.P. piston rings to renew: H.P. valve chest to rebore & valve rings renew: Crankshaft to lift for examination of main bearings with probability of remounting:

Thrust Shaft:- Bellows to dress & shoes to dress & readjust.

Main Condenser:- All tubes to remove for cleaning & testing with probability of completely retubing.

Attached Pumps:- 2 Bilge pumps to machine & neck & gland bushes renew: Circulating pump bucket machine & water lines to renew, bucket rod to machine & neck & gland bushes renew: Air pump bucket rod to machine & neck & gland bushes renew, Bucket & Head valve plate to machine in way of Bucket & Head valves & valve plates to renew as necessary.

Aux Condenser Circ. Pump:- Piston rings renew, Bucket liners (built up bucket) to renew, Bucket rods to machine & neck & gland bushes renew, Valve gear pins & bushes recondition & Suct. & Delv. valves overhaul.

Steering Engine:- Cylinders & valve chests to rebore, & piston rings, Piston valves, Piston rods, Valve spindles, & Bottom end brasses renew. Other bearings to adjust.

Boilers:- All furnaces to renew. Genise combustion chamber back plate in each boiler to crop & part renew. Wrapper plates to crop & part renew where wasted. A large number of combustion chamber back plate & wrapper plate screwed stays to renew. Some margin tubes to remove for access to corrosion of tube plates with view to building up with E.W. Further examination of the boilers is necessary to ascertain the extent of corrosion & wastage with possibility of extending the cropping already recommended.

The Survey has been terminated by the owners at this stage and the vessel laid up pending further decision & instructions.

SURVEY OF ELECTRICAL INSTALLATION.SURVEY OF MACHINERY

FIRST SURVEY

AND

LAST SURVEY

6/9/48

The electrical installation was examined and it was recommended that the ship be rewired throughout. The stripping out of the cables had been started when all work was stopped.

*W. Store*  
SURVEYOR TO LLOYD'S REGISTER.  
NEWCASTLE-ON-TYNE.



© 2021

Lloyd's Register  
Foundation