

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

(Received at London Office 5 APR 1934)

Report 4-4-1934 When handed in at Local Office 4-4-1934 Port of **CARDIFF.**

Survey held at **Penarth** Date, First Survey 8-3-34 Last Survey 4-4-1934 (No. of Visits 10.)

In the Machinery of the ~~Wood, Iron or Steel~~ **bc. In "AGNES DUNCAN"**

Vessel built at **Port Glasgow** By whom **R. Duncan & Co. Ld.** When **1912-7**
Engines made at **Greenock** By whom **J. G. Kincaid & Co. Ld.** When **1912**
Boilers, when made (Main) **1912.** (Donkey) **-**

Owners **Agnes Duncan S.S. Co. Ld.** Owners' Address (if not already recorded in Appendix to Register Book.)
Managers **J. T. Duncan & Co. Ld.** Port **Cardiff.** Voyage

If Surveyed Afloat in Dry Dock **Penarth Pontoon & Dock.** Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

No. **2514** Port **Penarth**
Date of Examination and Repairs (if any) **Completion * L.M.C.**

CHARACTER. for Special Survey. Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
* 100 A1.	10,30	* L.M.C. 11-29
ss. C.P.F. N ^o 3 -	1,25	T.S.C.W. 5-33
ss. Shl. N ^o 1 -	29	

When held, must be reported in detail and serially in the terms of the Rules. State clearly the nature and extent of Examinations and subsequent Repairs. Repairs on the cause of which must be stated should be separated from Repairs due to other causes; and the nature of the repairs, should be briefly summarized at the end of the report. State also the date of any letters respecting this case.

Where the Surveyor has not made a special damage report he is required to state whether he has advised for this purpose, and why they were declined.
Work made by anyone else? If so, by whom?

UNDERTAKING CASE

Normally go inside each Main Boiler separately and make a thorough examination at this time? **Yes 16-3-34**

Do the same for Donkey Boilers? **Yes**

State for what reasons? **Boilers could not be thus thoroughly examined?**

Tests, in the absence of internal examination, were adopted by the Surveyor to test the thorough efficiency of those parts of each Boiler?

Examine the Safety Valves of the Main Boiler? **Yes** To what pressure were they afterwards adjusted under steam? **180 lbs/sq"**

Examine the Safety Valves of Donkey Boiler? **Yes** To what pressure were they afterwards adjusted under steam?

Examine all the manholes, doors and their fastenings of the Main Boilers? **Yes** and of the Donkey Boilers?

Examine the drain plugs of the Main Boilers? **Yes** and of the Donkey Boiler?

Examine all the mountings of the Main Boilers? **Yes** and of the Donkey Boiler?

Shafts drawn and examined? **No** 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**

Shafts changed? **Yes** If so, state reasons **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**

Examine the lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft? **1/8"**

State, in brief, what arrangements have been made for its completion and what remains to be done **Complete.**

N^o 22258.
Placed on Pontoon, the propeller, outer end of stern bush, outside fastenings examined. Pistons, valves & chests, crank and thrust shafts, condenser (tested), steering engine, windlass, all pumps & their valves and connections examined and found in good condition. Pipes (steel) removed, tested by hydraulic pressure to 450 lbs/sq", found in order and repointed with lead.

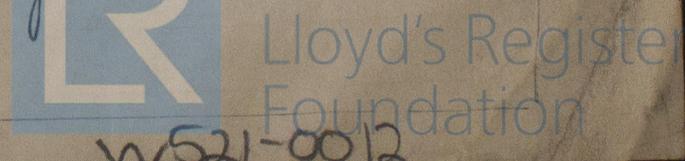
Work carried out on the generator, cables & fittings and these placed in good condition. Electrical installation examined under working conditions & found in order. (Generator 5.9 K.W.). Boilers examined internally and externally with mountings, doors etc., and placed in a safe condition. Afterwards examined under steam and safety valves adjusted to working pressure as above. Main engine feed pump ram & air pump rod skinned up & new neck & gland bushes fitted. Top half of L.P. bottom end bearing re-metalled. P.T.O.

Opinion, and Recommendation:— The machinery of this vessel is now so far as it is possible to make in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also 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, or L.M.C. 9,11, in safe working condition and eligible, in my opinion, to remain as classed with fresh *** L.M.C. 4-34**, subject to Donkey Boilers not to be used.

Section 29).....	L.M.C.	£ 11 : 0 : 0	Fees applied for 4 Apl. 1934
Repair Fee (if any).....		£ 2 : 2 : 0	
Section 29.) ELECTRICAL TESTS Fees (if chargeable).....		£ 1 : 0 : 0	Received by me, 4 Apl. 1934.

FRI. 6 APR 1934

J. Campbell
Engineer Surveyor to Lloyd's Register of Shipping.



W521-0012

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

In a Certificate required if so, to be sent to

ee's Minute
+ L.M.C. 4-34
subject

Bottom half of L.P. stern eccentric sheave renewed.
H.P. & L.P. head eccentric sheaves skimmed up, straps bored out and new gun metal liners fitted to same.

L.P. piston junk ring machined & adjusted.

Minor repairs effected to auxiliary pumps.

Minor repairs effected to electrical circuits throughout ship.

B.S. repairs:- Starboard boilers:- Ports & starboard furnaces jacked fair.

Port boilers:- Ports and centre furnaces jacked fair.

Five stay tubes renewed.

Mountings overhauled & other minor repairs effected.

The boilers afterwards examined & tested by hydraulic pressure to 210 lbs/sq" and found satisfactory.

J.F.B.

N.B.—If this Report is copied by copying Press, special care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.



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