

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

(Received at London Office)

21 AUG 1924

Report 20.8.1924 When handed in at Local Office 20.8.1924 Port of Barry.

Survey held at Barry. Date, First Survey 23.7.24 Last Survey 18.8.1924 (No. of Visits 8)

In the Machinery of the Wood, Iron or Steel *Steel Helmsdale.*

Vessel built at *Port Glasgow.* By whom *A. Rodger & Co.* When 1907.10.

Engines made at *Glasgow.* By whom *"* When 1907.

Boilers, when made (Main) 1907. (Donkey) 1924.

Owners *C. B. Downing Esq.* Port *Cardiff.* Voyage

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

CHARACTER.	Year Assigned	Machinery and Boiler Surveys (including date of N.B., if any).
<input checked="" type="checkbox"/> 100 A1.		<input checked="" type="checkbox"/> Sub 1.20
<i>Spark with H. 6.23.</i>		<i>BS 3.24.</i>
<i>Ad. Brg. 12.19.</i>		<i>Valve 5.23.</i>

Boilers 120

Port No. Port

Years of Examination and Repairs (if any) *+ Sub. Ind. D.B.*

Repairs, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on machinery (the cause of which must be stated) should be separated from repairs due to other causes; and detailed in the body of the report, should be briefly summarised at the end of the report. State also the nature of any letters respecting this case.

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 not.

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

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

Donkey " " "

State for what reasons?

Of the Boilers could not be thus thoroughly examined?

By what 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?

Did you examine the Safety Valves of the Main Boiler?

Did you examine the Safety Valves of Donkey Boiler?

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

Did you examine the drain plugs of the Main Boilers?

Did you examine all the mountings of the Main Boilers?

Has the shaft now been drawn and examined? *no*. Is it fitted with continuous liner?

Has the shaft been changed? *yes*. If so, state reasons

Has the shaft now fitted new? *yes*. Has it a continuous liner?

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated?

Is the space between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft?

Is the work not complete state what arrangements have been made for its completion and what remains to be done? *Complete.*

Str. of 1st Sub. partly held, - see Cardiff Rpt. no 44831.
Examined opened up, all pistons, cylinders, slide valves & faces, pumps & valves, Condenser, crank thrust & tunnel shaftings, bilge & tank connections, all fastenings, & steam pipes exam'd externally.
Windlass & steering engines opened up & examined.
Donkey Boiler removed & a new Sky. Boiler - Certificate no 6378, Middlebrook Report no 12020. - now fitted complete with new mountings and safety valves.
Two Direct spring safety valves - dia 2 1/2". Main stop Valve non-return.
Boiler examined under steam & safety valves adjusted to 120 lbs. & rings 5" thick.
Repairs. - 1st piston valve rings renewed & chamber rebored. Steering engine piston valves & rings renewed. Worm wheel refitted on shaft. Funnel repaired.
Small general repairs effected.

Observations, Opinion, and Recommendation: - *This vessel's machinery is in good working order & eligible to remain as classed & to have fresh record of 1st Sub - Ind 8.24. R.D.B 24. 120 lbs. D.B.S 8.24.*

Fees applied for 20.8.1924

Received by me 5/9/24

Meeting's Minute

+ Lmb. Ind 8.24

ADB 24 D.B.S 8.24

Without spl. Cond.

CERTIFICATE WRITTEN 6.9.24

A. J. Barnett

Engineer Surveyor to Lloyd's Register of Shipping.



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Is a Certificate required? If so, to be sent to

S.F. 201. due 12. 23. held on machinery
donkey boiler renewed.

N.B.—If this Report is copied by Copying Press, especial 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.

It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. M.S.F. 24

N.D. B 24. D.B.S.F. 24. without
special instructions. Note
DB, pass 12011 J.S.
25/1/24

It is concluded that the
DB safety valve have
been fitted with
existing gear but
the surveyor had
confirmed the



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