

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

Writing Report 10<sup>th</sup> Aug 1929 When handed in at Local Office 10<sup>th</sup> Aug 1929 Port of CARDIFF  
Survey held at Cardiff Date, First Survey 5<sup>th</sup> July Last Survey 2<sup>nd</sup> Aug 1929  
on the Machinery of the ~~Wood, Iron or Steel~~ **PENSILVA**  
Gross 4316 Vessel built at **W. Hartlepool** By whom **W. Gray & Co.** When 1913-5  
Net 2714 Engines made at **do** By whom **Clew Mar Eng Works** When 1913.  
Boilers, when made (Main) 1913 (Donkey) 1929  
Owners **P. B. Chellaw Sh. Narf** Owners' Address **Port Falmouth** Voyage  
Managers **F. Shearman**  
Surveyed Afloat or in Dry Dock **Mount Stuart Dock**  
(State name of Dock.) **Cardiff**

Report No. **203** Port **Cardiff**  
Particulars of Examination and Repairs (if any) **Damage + 1 sub.**  
Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the repairs, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on damage (the cause of which must be stated) should be separated from repairs due to other causes; and any detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.  
In cases where the Surveyor has not made a special damage report he is required to state whether he has his services for this purpose, and why they were declined? **yes, not required.**  
Damage report made by anyone else? If so, by whom? **Salvage Surveyor.**  
Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? **yes.**  
" " " " **yes.**  
not done, state for what reasons?  
Parts of the Boilers could not be thus thoroughly examined?  
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?  
Surveyor examine the Safety Valves of the Main Boiler? **yes.** To what pressure were they afterwards adjusted under steam? **180 lbs.**  
Surveyor examine the Safety Valves of Donkey Boiler? **yes.** To what pressure were they afterwards adjusted under steam? **100 lbs.**  
Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? **yes.** , and of the Donkey Boiler? **new Dky. Boiler**  
Surveyor examine the drain plugs of the Main Boilers? **yes.** , and of the Donkey Boiler? **see Rls. Rpt. 4929**  
Surveyor examine all the mountings of the Main Boilers? **yes.** , and of the Donkey Boiler? **yes.**  
Shaft now been drawn and examined? **yes.** 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.**  
Shaft now been changed? **no.** If so, state reasons  
Shaft now fitted been previously used? **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.**  
Distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft? **rewooded.**  
If not complete, state what arrangements have been made for its completion and what remains to be done? **complete.**

Examination stated due to grounding off Dakar on March 25<sup>th</sup> 1929.  
At Port - Sub. due 2.30; Bld due 1.29. partly held 3.29. Barry Report.  
Propeller and fastenings of sea connections, sea cocks & valves opened up & cleaned. Screw shaft - continuous liner - drawn in, examined, propeller key renewed, stern bush rewooded.  
All cylinders, pistons, slide valves & faces, pumps & their valves, crank, thrust & tunnel shafting, bilge & tank valves & connections, condenser tested, holding down bolts examined.  
Main Boiler examined throughout with their safety valves and mountings; Dky. Boiler examined & removed ashore; A new vertical Dky. Boiler - Glasgow Rpt. No 49291. now fitted on board in the stockhold, & examined with all mountings & safety valves; Main & Donkey Boilers  
General Observations, Opinion, and Recommendation:— This vessel's machinery as seen is in good working order and eligible to remain as classed & to have fresh record of **Sub 8.29. Bld 8.29. NDB 8.29. W.P. 100 lbs.**

(per Section 25) £ 12: 0: 0 Fees applied for 10 Aug 1929  
Damage or Repairs Fee (if any) £ 8: 8: 0 Received by me, 27<sup>th</sup> 8 1929  
Expenses (if chargeable) £ : : :  
Committee's Minute TUE. 20 AUG 1929  
Signed + Sub 8.29  
203-1000  
Lloyd's Register Foundation



examined under steam & adjusted as above.

### Repairs.-

A.P. valve spindle skimmed up, nuts & gland & neck bushes renewed: Throat shoes refitted: Some condensed tube plate studs renewed & the bottom joint bolts hardened up. Castings of main engine air & circulating pumps renewed complete with liners, buckets etc. excepting the air pump bucket and the bilge pump arms which have been skimmed up & refitted: pumps & gear fitted to alignment, bilge pump suction & delivery valve boxes renewed.

All auxiliaries & pumps overhauled & small repairs effected. Ballast Dky. pump water end & buckets renewed, steam cylinders re-bored, valves & faces machined, pistons & rings renewed. Valve of main injection chest renewed.

Main steam pipe expansion gland spigot pieces renewed & all pipes & steel pieces tested by hydraulic pressure to shells. One feed check valve renewed.

Pipes in machinery space made good & small general repairs effected.

A. J. Bennett.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

As before 2.26 held.

New Soudy Water fitted

Repairs effected

Grounding damage

It is submitted that this vessel is eligible for THE RECORD.

Special condition

18.29.

18.29. 18.29.



© 2019

Lloyd's Register Foundation