

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

(Received at London Office)

-6 JUL 1932

Surveying Report 30th June, 1932 When handed in at Local Office 30th June, 1932 Port of GLASGOW.
 Survey held at Glasgow Date, First Survey 11. 4. 32 Last Survey 21. 6. 1932
 on the Machinery of the Wood, Iron or Steel T.W. Sc. M.V. "PACIFIC RANGER" (No. of Visits 14)
 Gross 6866 Vessel built at Copenhagen By whom Akt. Burmeister & Wain When 1929-9.
 Net 4186 Engines made at Do. By whom do. When 1929
946 Boilers, when made (Main) (Donkey) 1929.
 Boilers — Owners Hurness, Withy & Co. Ltd. Owners' Address As recorded.
 Boilers One Managers (if not already recorded in Appendix to Register Book)
 Boilers — Port London Voyage Vancouver.
 Boilers 1000H. If Surveyed Afloat or in Dry Dock Princes Dock & Govan Dry Dock.
 (State name of Dock.)

Port No. — Port —
 of Examination and Repairs (if any) Port & LMC & TS

When held, must be reported in detail and seriatim 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 cause of the report, should be briefly summarized at the end of the report. State also the results of any letters respecting this case.

where the Surveyor has not made a special damage report he is required to state whether he has examined the Boilers for this purpose, and why they were declined.

report made by anyone else? If so, by whom?

personally go inside each Main Boiler separately and make a thorough examination at this time? None

" Donkey " " "

state for what reasons?

the Boilers could not be thus thoroughly examined?

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

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

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

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

examine the drain plugs of the Main Boilers? , and of the Donkey Boiler?

examine all the mountings of the Main Boilers? , and of the Donkey Boiler?

have 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? No

changed? No If so, state reasons

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? ✓

between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft Close.

complete, state what arrangements have been made for its completion and what remains to be done. + LMC Continuation Survey

advanced as opportunity permits.

NOW DONE: Port main engine Nos 1, 3, 4, 5, 6 & 8 & starboard engine (from forward) cylinders & valves, pistons & rods, connecting rods & their top end pins & brasses opened out & examined - Two pistons & fractured) renewed. Port & starboard main air compressors complete, 3 generator engine (complete) & No 1 generator engine (except crank shaft & rings), donkey boiler & its mountings, settling tanks & starting air reservoirs - all opened out, examined & found in good condition. Safety valves of donkey boiler adjusted as above.

Vessel placed in dry dock: both tail shafts drawn & examined: stern bushes re-wooded. Additional refrigeration sea inlet valve fitted. Propellers & outside fastenings of under-water fittings examined.

1 Observations, Opinion, and Recommendation: - This vessel's Machinery, so far as 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, or L.M.C. 9, 11, 10 lb., E.D., &c.)

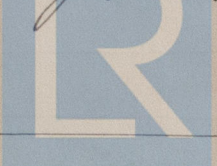
seen, is in efficient condition and is eligible, in my opinion, to remain as classed and have fresh record TS - Port & Starboard - CL-6.32 & LMC (With date) on completion of Survey.

(per Section 20) £ : Fees applied for
 Damage or Repair Fee (if any) £ :
 (per Section 20.)
 expenses (if chargeable) £ :
 Received by me,

Committee's Minute GLASGOW 5-JUL 1932

As now. Note Shafts
 DBS 6.32 Note P.M.S.

J.D. Boyle
 Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
 Foundation
 W 70-0020

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

OIL ENGINE
 CONTINUOUS SURVEY

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