

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

(Received at London Office)

-6 JUL 1932

Survey 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)
 Vessel built at Copenhagen By whom Akt. Burmeister & Wain When 1929-9.
 Engines made at Do. By whom do. When 1929
 Boilers, when made (Main) (Donkey) 1929.
 Owners Jumess, Withy & Co. Ltd. Owners' Address As recorded.
 Managers [Signature] (if not already recorded in Appendix to Register Book)
 Port London Voyage Vancouver.
 If Surveyed Afloat or in Dry Dock Princes Dock & Govan Dry Dock.
 (State name of Dock.)

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

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)
<u>+100A1 with foreboard - 5.31</u>		<u>+LME - 9.29</u>
<u>Cruiser stem</u>		<u>+Lloyd's RMC - 8.31</u>
<u>Carrying Linseed oil in deep tank</u>		<u>T5 - CL</u>
		<u>Oil Inf.</u>

Particulars 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 all 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 examined the machinery for this purpose, and why they were declined.
 Report made by anyone else? If so, by whom? None
 Personally go inside each Main Boiler separately and make a thorough examination at this time? None
 " Donkey " " " Yes - do for Pacific Ranger - J.R. Rpt. 52573
 state for what reasons? None
 The Boilers could not be thus thoroughly examined? None
 Means, in the absence of internal examination, were adopted by the Surveyor to ensure the thorough efficiency of those parts of each Boiler? None
 Examine the Safety Valves of the Main Boiler? None To what pressure were they afterwards adjusted under steam? None
 Examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 100 lb./in.²
 Examine all the manholes, doors and their fastenings of the Main Boilers? None, and of the Donkey Boilers? Yes
 Examine the drain plugs of the Main Boilers? None, and of the Donkey Boiler? None
 Examine all the mountings of the Main Boilers? None, and of the Donkey Boiler? Yes
 Have they been drawn and examined? Yes Is it fitted with continuous liners? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No
 Have they been changed? No If so, state reasons None
 Have they been fitted 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
 Between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft Close.

When 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 & rods (fractured) renewed. Port & starboard main air compressors complete, No. 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: stem bushes re-wooded. Additional refrigeration sea inlet valve fitted. Propellers & outside fastenings of under-water fittings examined.

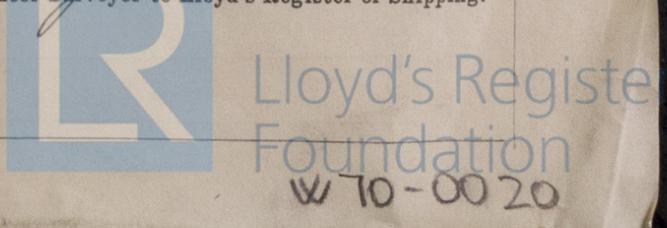
Observations, Opinion, and Recommendation: - This vessel's Machinery, so far as seen, is in efficient condition and is eligible, in my opinion, to remain as classed and to have fresh record TS - Port & Starboard - CL - 6.32 & +LMC (with date) on completion of Survey.

(per Section 20) £ :
 Damage or Repair Fee (if any) £ :
 Expenses (if chargeable) £ :
 Fees applied for 19
 Received by me, 19

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

Committee's Minute GLASGOW 5 - JUL 1932

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



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