

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 30 JUN 1926

Date of writing Report 3. 6. 26 When handed in at Local Office 19th June 1926 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 29th March, 1926 Last Survey 17th June 1926
 Reg. Book. 12620 on the S/S "Alfonso Perez" (Number of Visits 19)
 Built at Vancouver By whom built J. Boughlan, Sons Yard No. _____
 Engines made at Birkenhead By whom made Samuel Laird Engine No. 2003 when built 1919
 Boilers made at Vancouver By whom made Vulcan Foundry Boiler No. _____ when made 1919
 Registered Horse Power _____ Owners A. F. Perez Port belonging to Santander
 Gross Tons _____ Net Tons _____
 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

ENGINES, &c.—Description of Engines Triple Expansion
 No. of Cylinders 25-44-73 Length of Stroke H8 Revs. per minute 82 No. of Cylinders 3 No. of Cranks 3
 No. of Crank shaft journals _____ as per rule _____ as fitted _____
 Diameter of Thrust shaft under collar _____ as fitted 3 1/4" Diameter of Tunnel shaft _____ as fitted _____ Diameter of Screw shaft _____ as fitted _____ Is the Screw shaft _____
 Is the after end of the liner made watertight in the propeller boss _____
 If the liner does not fit tightly at the part _____
 Is an approved appliance fitted at the after end of the shaft to permit _____
 Length of Stern Bush _____ Diameter of Propeller _____
 No. of Blades _____ State whether Moveable _____ Total Surface _____ square feet.
 No. of Feed Pumps fitted to the Main Engines 2 Diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 No. of Bilge Pumps fitted to the Main Engines 2 Diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 Total number and size of power driven Feed and Bilge Auxiliary Pumps _____
 No. and size of Pumps connected to the Main Bilge Line _____
 No. and size of Ballast Pumps _____ No. and size of Lubricating Oil Pumps, including Spare Pump _____
 Are two independent means arranged for circulating water through the Oil Cooler No. and size of suction connected to both Main Bilge Pumps and Auxiliary _____
 Pumps;—In Engine and Boiler Room _____ and in Holds, &c. _____

No. and size of Main Water Circulating Pump _____ No. and size of Donkey Pump Direct Suctions _____
 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes _____
 Are they Valves or Cocks _____
 Are the Discharge Pipes above or below the deep water line _____
 Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
 How are they protected _____
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
 Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

BOILERS, &c.—(Letter for record _____) Total Heating Surface of Boilers _____
 Forced Draft fitted No. and Description of Boilers _____ Working Pressure _____
 A REPORT ON MAIN BOILERS NOW FORWARDED?
 A DONKEY BOILER FITTED? If so, is a report now forwarded? _____
 Are approved plans forwarded herewith for Shafting _____ Main Boilers _____ Auxiliary Boilers _____ Donkey Boilers _____
 (If not state date of approval)

Oil fuel Burning Piping Arrangements _____
ARE GEAR. State the articles supplied:—
2 Connecting Rod bolts, nuts for top end
1 set for bottom end, 2 Main Bearing bolts, 1 set of Coupling
bolts, 1 set of Feed & Bilge Pump Taps, a quantity of crossed
bolts, nuts, Iron of various sizes.

The foregoing is a correct description,

Manufacturer.



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During progress of work in shops --
 Dates of Survey while building (1926) Mar 29. Apr 5. 8. 21. 28. 29. May 5. 10. 17. June 1. 3. 8. 9. 10. 11. 16. 18. 19.
 During erection on board vessel --
 Total No. of visits 19.

Dates of Examination of principal parts - Cylinders ✓ Slides ✓
 Covers ✓ Pistons ✓ Rods ✓
 Connecting rods ✓ Crank shaft ✓ Thrust shaft 29. 4. 26
 Tunnel shafts ✓ Screw shaft ✓ Propeller ✓
 Stern tube ✓ Engine ~~and~~ seatings 28. 4. 26 Engines holding down bolts 3- 6. 26
 Completion of pumping arrangements ✓ Boilers fixed ✓ Engines tried under steam ✓
 Completion of fitting sea connections ✓ Stern tube ✓ Screw shaft and propeller ✓
 Main boiler safety valves adjusted *all boiler safe* Thickness of adjusting washers ✓
 Material of Crank shaft ✓ Identification Mark on Do. ✓
 Material of Thrust shaft *S* Identification Mark on Do. *R, WGM 6685*
 Material of Tunnel shafts ✓ Identification Marks on Do. ✓
 Material of Screw shafts ✓ Identification Marks on Do. ✓
 Material of Steam Pipes ✓ Test pressure 540 Date of Test 8. 6. 26
 Is an installation fitted for burning oil fuel ✓ Is the flash point of the oil to be used over 150°F. ✓
 Have the requirements of the Rules for carrying and burning oil fuel been complied with ✓
 Is this machinery duplicate of a previous case - If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.) *The Turbine, Gearing Thrust Shaft & Block have now been removed & the Engine No. 2003 built by Messrs. James & Co. Ltd. Liverpool Reft No. 8091 now securely fitted on board in accordance with the approved plan, tried under steam & found satisfactory. A liner now fitted to the HP cylinder making same 25" & all the Main Boiler Safety Valves adjusted under steam to 180 lbs as approved in London Secretary letter. 2. 4. 26 A new Thrust Shaft & Block & 4 New Propeller blades fitted. The Machinery is eligible in our opinion for the fresh record of **NE 6.26** & the new pressure of 180 be noted in the R. B.*

Certificate to be sent to the Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £ : : When applied for,
 Fitting the engine on board ... £ 30 : - : June 16, 1926
 Donkey Boiler Fee ... £ : : When received,
 Travelling Expenses (if any) £ : : June 17, 1926

W. Gordon-Munroe
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 29 JUN 1926**
 Assigned *See accompanying report*

