

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

SEP - 6 1940

Writing Report 30th Aug 1940 When handed in at Local Office 5th Sept 1940 Port of Manchester

Survey held at Manchester Date, First Survey 24-7-40 Last Survey 27-8-1940

on the Machinery of the Wood, Iron or Steel S.S. "WEST COBALT" now "EMPIRE MINIVER" (No. of Visits 8)

Gross 6055 Vessel built at Portland Or. By whom Columbia River S.B. Corp. When 1918 12

Net 4488 Engines made at Schenectady, N.Y. By whom General Electric Co. When 1918

579 Boilers, when made (Main) 1918 (Donkey) ☒

3SB Owners Ministry of Shipping Owners' Address London Voyage Port London

Managers A. Wein & Co. If Surveyed Afloat or in Dry Dock Afloat (State name of Dock.) Alford Wharf

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

Report No. Port + LMC (for reclassification)

Particulars of Examination and Repairs (if any) reclassification

CHARACTER. +100A1 Bal +

Date of last Survey and of Periodical Surveys. (Reclassification contemplated)

Examined 5,40

Fitted for oil fuel.

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.

Donkey " " " " Yes.

as not done, state for what reasons? Yes.

at parts of the Boilers could not be thus thoroughly examined? Yes.

at 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? Yes.

test date of internal examination of each boiler Port & Donkey 6/8/40 St- 13/8/40

Surveyor examine the Safety Valves of the Main Boiler? Yes. To what pressure were they afterwards adjusted under steam? Good 210 lbs / sq"

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

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

Surveyor examine the drain plugs of the Main Boilers? Yes. and of the Donkey Boilers? Yes.

Surveyor examine all the mountings of the Main Boilers? Yes. and of the Donkey Boilers? 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.

now been changed? Yes. If so, state reasons Yes.

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.

examination of Screw Shaft Yes. State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft Yes.

the parts, when referred to by numbers, should be counted from forward. Yes. Is electric light and power fitted Yes.

the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes.

ulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes.

any is not complete, state what arrangements have been made for its completion and what remains to be done. So complete the Reclassification for record + LMC 8,400 the following items remain to be done:- Main turbine action gears with bearings, Thrust shaft and thrust block with bearings. Interposed with bearings. Steam pipes, Pumping arrangements. Sea cocks and valves. Lubricating, ballast, bilge, feed and lubricating oil pumps. Oil firing pumps and valves. Steam smothering installation. No arrangements were made at this time.

DONE:- Opened up and examined:- Main turbine, spring, Blading, rotor and rotor shaft with bearings. Main air pump. Condenser. Fuel oil pump. Air circulating water and air pump. Port and St- oil fuel settling tanks (situated in Deep Tank). Windlass. Steering gear.

eral Observations, Opinion, and Recommendation:- The machinery of this vessel, as far as now seen is in good and efficient condition and eligible, in my opinion, to be reclassified with this Society with record + LMC 8,400, on completion of the survey.

Fee (per Section 29) £ 18 Fees applied for 19

Damage or Repair Fee (if any) £ 4 Received by me, 1-11-1940

ing expenses (if chargeable) £

mittee's Minute FRI 4 OCT 1940

igned No action

Engineer Surveyor to Lloyd's Register of Shipping. L. J. Mathew

Lloyd's Register Foundation

W388-0231 1/2

WRITE ACROSS THIS MARGIN.

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

Port of

S.S. "WEST COBALT" NOW "EMPIRE MINIVER"

NOW DONE (CONTINUED). All three Main Boilers, i.e. Port, Centre and Strd, with their safety valves and mountings, opened up and examined internally and externally and found generally in good condition.

Both electric generators with their steam engines opened up and examined. All electric cables and fittings examined and after minor repairs, generators, cables and fittings tested for insulation resistance and found good. The electrical installation subsequently tested under working conditions and found satisfactory.

The safety valves of all three main boilers adjusted under steam to 210 lbs/sq. in.

The main turbine tested under working conditions and found satisfactory.

REPAIRS. 6 C.C. screwed studs renewed in Port Boiler and 6 C.C. screwed studs renewed in Centre Boiler. Drain plugs renewed in all three main boilers. Inboard dynamo engine main bearings and bottom end bearings reinstalled. Aux. circulating water pump, water end renewed.

L. L. Matheson.