Rpt. 9.

No. 100767

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

(Received at London Office 8 – OCT 1942 NEWCASTLE-on-TYNE)

Date of writing Report ..... 19 .... When handed in at Local Office 7. 10. 1942 Port of

No. in Reg. Book. 84931 Survey held at ..... Date, First Survey 18. 7. 42 Last Survey 28. 9. 1942 (No. of Visits 20 / 4)

on the Machinery of the ~~Wood, Iron or~~ Steel SS. "EMPIRE TURNSTONE" ex. WESTERN CITY. (Electrical .....)

Tonnage { Gross ~~5828~~ 6113. Net 3471

Nominal Horse Power 551

No. of Main Boilers 3

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 210

in Donkey Boilers ✓

Vessel built at Portland Or By whom Columbia River S B Corp When 1918. 6 (Year. Month.)

Engines made at Wellsville N.Y. By whom Kerr Turb Co When 1918

Boilers, when made (Main) 1918 (Donkey) ✓

Owners Ministry of War Transport Owners' Address (if not already recorded in Appendix to Register Book.)

Managers Kaye Son & Co Ld Port London Voyage

If Surveyed Afloat or in Dry Dock Wallsend Slipway (State name of Dock.)

Last Report No. ..... Port .....

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 since expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A1. 5.42.		+LMC 5.41
		CL 3.41
SS N.N° 2nd N°3 – 5.41		
Fitted for oil fuel 6.18		F.P. above 150° F

Particulars of Examination and Repairs (if any) Repairs & BS.

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.)

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined .....

Was a damage report made by anyone else? If so, by whom? .....

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? yes

" " Donkey " " " ✓

If this was not done, state for what reasons? ✓

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what 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? ✓

State latest date of internal examination of each boiler 21. 8. 42. Present condition of funnel good.

Did the Surveyor examine the Safety Valves of the Main Boiler? yes To what pressure were they afterwards adjusted under steam? 210

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

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? yes , and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓ , and of the Donkey Boilers? ✓

Did the Surveyor examine all the mountings of the Main Boilers? yes , and of the Donkey Boilers? ✓

Has screw shaft now been drawn and examined? No. Is it fitted with continuous liner? ..... Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? .....

Has shaft now been changed? ..... If so, state reasons .....

Has the shaft now 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? .....

State date of examination of Screw Shaft ..... State the distance between lignum vitæ or bearing metal of stern bush and top of after bearing of screw shaft 5/32"

Engine parts, when referred to by numbers, should be counted from forward.

Is electric light and ~~or power~~ fitted? yes

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes

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

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete

Vessel in drydock. Propeller sea connections & fastenings examined Turbine casing & rotor removed from vessel & forwarded to Messrs Fraser & Chalmers Erith for repairs (See London Report) afterwards refitted on board.
Main gears opened up, teeth dressed where necessary.
Thrust shaft examined & block lifted at forward end to correct alignment of shafting. Tunnel shafts examined
Condensers, feed heaters & lubricating oil & coolers cleaned & tested
All auxiliary pumps and dynamo engines examined
Main Boilers examined internally & externally with all (See continuation)

General Observations, Opinion, and Recommendation:—

(State 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, ✠ L.M.C. 9,11, or ✠LMC 140 lb. F.D., &c.) CS 3,34,

The machinery of this vessel is eligible in our opinion to remain as Classed & have the Record BS 9.42.

R.L.I. Form attached Rpt. 8

Survey Fee (per Section 20) BS £ 4 : 0 : 0

Special Damage or Repair Fee (if any) Repairs £ 9 9 : 0

(per Section 20.) Alterations Elec. Light License Case £ 2 2 : 0

Travelling expenses (if chargeable) £ : :

Fees applied for 7 OCT 1942 19

Received by me, 19

R. Moffitt & S. B. Forster

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 27 OCT 1942

Assigned As now, without spl cdn BS 9.42

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

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

This Surveyor's Report is to be returned with the Certificate, if any, or when the Survey is completed.

SS. "EMPIRE TURNSTONE" ex "Western City"

their mountings & the Safety valves adjusted under Steam
Oil fuel pressure lines & fire extinguishing arrangement
examined & found Satisfactory
Repairs:-
Main Air Pump. Fan & fan engine & Evaporator and two
oil fuel heaters renewed. Lubricating Oil Coolers
retubed.
Water end liners renewed in both main feed pumps
& Lubricating oil cooling pump. & a number of
minor repairs & adjustments effected.
Steering engine & telemotor opened up, examined
& overhauled.
The locking pin controlling the hand gear dog clutch
became disengaged when vessel left the Tyne
causing clutch to foul & damaging controls
1 C.I. bracket renewed 1 bevel wheel renewed
1 bracket & 3 bevel wheels repaired. & 1 Shaft Straightened
Gear afterwards examined under working conditions
& found Satisfactory
Main & auxiliary machinery proved Satisfactory
under working conditions at quay.
Extension Spindles fitted to Main injection
Emergency Stop valve & Steam control to Oil fuel
pumps.
Gutterway & oil bilge with the necessary suctions
to oil fuel transfer pumps fitted & found
Satisfactory.

Rell A.G.J.
Electric Light Report attached.

Rpt. 9a.

Port of NEWCASTLE-ON-TYNE. Continuation of Report No. 100767 dated 28.9.42. on the

WESTERN CITY 2 - 12.5 KW

Electrical equipment.

Repairs and additions

A generator was removed and repaired, the navigation lights were repaired, and lights were fitted in the new firemen's quarters.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance measured and found good:- This equipment is now in my opinion in good order and safe working condition.

W. E. Cornell

Fee £2.2.0 See Rpt. 9

B.P. due 5.42 Shed

Turbine casing & rotor reconditioned & refitted. Gearing examined & other parts of machinery examined & placed in order

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

B.P. 9.42

Without Special Condition

Jhes

22.10.42