

(Received at London Office 22 APR 1942)
Date of writing Report 19th July 1942 When handed in at Local Office Feb 28 1942 Port of New York
Survey held at New York Date, First Survey 30 Jan Last Survey 16 July 1942
(No. of Visits 12)
on the Machinery of the Wood, Iron or Steel T.S.M.V. Empire State Year. Month.

Gross 7965 Vessel built at Chester Pa. By whom Merchant & B Co When 1922-5
Net 4945 Engines made at Philadelphia By whom H. C. Brown & Sons Ltd When 1922
Main Boilers 984 Boilers, when made (Main) (Donkey) 1922
Main Boilers Owners Ministry of War Transport Owners' Address
(If not already recorded in Appendix to Register Book.)
Donkey Boilers Managers Guzman (London) Ltd Port London Voyage
Main Boilers If Surveyed Afloat or in Dry Dock Yes 1 No 2
(State name of Dock.) N.J.
Donkey Boilers 157400

Report No. Port
Particulars of Examination and Repairs (if any) Repairs made
Medical Surveys, when held, must be reported in detail and verbatim in the terms of the Rules. State clearly the
of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on
of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and
des being detailed in the body of the report, should be briefly summarised at the end of the report. State also the
names and initials of any letters respecting this case.
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.

CHARACTER for Special Survey Date of last Survey and of Periodical Survey.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
100 A.1		014 ENK
Reclassification		2.44
Contaminated		2.35
Overhauled		15040
5.41 12.41		T.S.C. (S) 4.41
CS Fa N° 2-30		

a damage report made by anyone else? If so, by whom?
The Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time?
" " Donkey " " "
If not done, state for what reasons?
What parts of the Boilers could not be thus thoroughly examined?
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?
Latest date of internal examination of each boiler
To what pressure were they afterwards adjusted under steam?
The Surveyor examine the Safety Valves of the Main Boiler?
To what pressure were they afterwards adjusted under steam?
The Surveyor examine the Safety Valves of Donkey Boiler?
and of the Donkey Boilers?
The Surveyor examine all the manholes, doors and their fastenings of the Main Boilers?
and of the Donkey Boilers?
The Surveyor examine the drain plugs of the Main Boilers?
and of the Donkey Boilers?
The Surveyor examine all the mountings of the Main Boilers?
and of the Donkey Boilers?
Screw shaft now been drawn and examined? 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?
Screw shaft now been changed? If so, state reasons Has it a continuous liner? Is an approved appliance fitted at the after end of
the shaft to permit of it being efficiently lubricated?
Date of examination of Screw Shaft State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft
Is electric light and/or power fitted?
Engine parts, when referred to by numbers, should be counted from forward.
So, did the Surveyor examine the generators, motors, switchgear, cables and fuses?
As the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms?
The Survey is not complete, state what arrangements have been made for its completion and what remains to be done.

New done: - For Reclassification and repair.
8th main compartment. Spind up complete. Cylinders, rods, valves, pistons, and connecting rods. Checked bin and passages. Drank-burn and lubrication and found satisfactory.
Working coils, 1st and 2nd main compartments undred tested and broken tight. When the working coils stretch to the cylinder head the metal in the hole is badly distorted. necessitating holes to be made in iron and tapped with fine thread. These fitted and nut-bolts drilled in place. Stud-fitted coils mounted fitted and closed P.T.O.

General Observations, Opinion, and Recommendation:— The machinery of this vessel
(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.G.M.S. 9.11, @L.M.C. 9.11, or @ LMC 140 lb., F.D., &c.)
CS 334,
as now seen is eligible in my opinion to be released when survey is completed.

Survey Fee (per Section 29) £ 80 : : Fees applied for March 6 1942
Special Damage or Repair Fee (if any) £ : :
(per Section 29.)
Travelling expenses (if chargeable) Sunday & half fee 30 : : Received by me, James Campbell
NEW YORK MAR 4 1942
Committee's Minute
Assigned as now
Lloyd's Register
WILLY FOUNDATION

up in good order

N. S. Pol. Engine

opened up complete. This includes cylinders, pistons, valves, connecting rods, crank pin and main bearings and pistons and found in order

Particulars of Examination (if any)

Particulars of Examination (if any)	Remarks
Did the surveyor examine the safety valves of the Main Boilers?	
Did the surveyor examine the safety valves of the Donkey Boilers?	
Did the surveyor examine all the manholes, doors and their fastenings of the Main Boilers?	
Did the surveyor examine the drain plugs of the Main Boilers?	
Did the surveyor examine all the mountings of the Main Boilers?	
Has the screw shaft now been drawn and examined?	
Has the shaft now been changed?	
Has the shaft now 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 the distance between ligament wires or bearing metal of stem pins and top of after bearing of screw shaft	
Is electric light and/or power fitted?	
Engine parts, when referred to by number, should be counted from forward	
Has the surveyor examined the generator, motor, switches, cables and fuses?	
Has the insulation resistance of the generator, circuits and apparatus been tested and found to be not less than 100,000 ohms?	
Has the surveyor examined the generator, circuits and apparatus been tested and found to be not less than 100,000 ohms?	
Has the surveyor examined the generator, circuits and apparatus been tested and found to be not less than 100,000 ohms?	

How a casualty
14/5/74

General Observations, Opinion and Recommendation:—

Received by me
19
Fees applied for
19

Engineer Surveyor to Lloyd's Register of Shipping