

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

Date of writing Report 19 25 MAY 1940 When handed in at Local Office 19 Port of HULL
No. in Survey held at 19 Date, First Survey 29.3.40 Last Survey 12.5.1940
9527 on the Machinery of the ~~Wood, Iron or Steel~~ "EMPIRE SUCCESS" ex "IXIA" (No. of Visits 81)
Damage { Gross 6009 Net 3646 Vessel built at Hamburg By whom Vulcan. Werke When 1921
Engines made at 80 By whom 80 When 1921
Boilers, when made (Main) 1921 (Donkey) ✓
Owners Ministry of Shipping Owners' Address (if not already recorded in Appendix to Register Book.)
Managers Union-Castle Mail Steamship Co. Ltd. Port London Voyage
If Surveyed Afloat & in Dry Dock King George
Donkey Boilers 1 (State name of Dock.)

Particulars of Examination and Repairs (if any) Class Contemplates
Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
CHARACTER. Date of last Survey and of Periodical Surveys. Year. Month. Machinery and Boiler Surveys (including date of N.B., if any).
100 41
Class Contemplates.

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General Observations, Opinion, and Recommendation:— The machinery of this vessel, after 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.E.M.S. 9, 11, & L.M.C. 9, 11, or L.M.C. 140 lb., F.D., &c.)
As far as seen, is in good condition and in our opinion eligible to be classed in the Register Book with record of LMC 5, 40 on completion of survey and T.D. (CL) per

Fee (per Section 29) £ : : Fees applied for 10
Damage or Repair Fee (if any) £ : :
Expenses (if chargeable) £ : :
Received by me, W.S. Shieles & A. King, Engineer Surveyors to Lloyd's Register of Shipping.
Committee's Minute FRI, 21 JUN 1940
Signed See Incl 7E 50675
Lloyd's Register Foundation
008608-008617-0240(1/2)

MAY 29 1940

Port of

Shull

Continuation of Report No. 50645, dated 12.5.40.

on the

Steel screw Steamer "EMPIRE SUCCESS" ex "IXIA"

Examined Condenser (tested), main and auxiliary pumps, pumping arrangements, dynamo, engines, switchboards, circuits (megger tested).

Examined boilers internally and externally with all mountings, doors and fastenings. The backs of the combustion chambers are buckles but efficient. A selected number of Superheater elements were removed, cut, examined and found satisfactory, also a number of others tested. Two of the main steam pipes of the starboard boiler were seen internally and appear satisfactory. Examined boilers under steam and adjusted safety valves including Superheater safety valves as above.

Tried all machinery under working conditions and found same satisfactory.

It was recommended that the bottom manhole doors be refitted with electric-welding flanges-in end plates in way, but this was overlooked. The port boiler centre safety valve could not be adjusted above 200 lb, even when the spring was screwed down hard. It was stated above would be done at Middlesbrough: Surveyors advise.

The Bauer-Wach turbine has been blanked off, as the turbine shaft to reduction gearing, it was stated, fractured completely after leaving Hamburg for Durban in July 1940.

The main gear wheel connecting low pressure turbine to main shaft was found to have a number of teeth partly burnt away, it was stated, by ship's engineers at Durban in September 1940.

The low pressure turbine is thus out of use.

The Circulating pump impeller lower casing already fitted with a shaped copper patch was refitted and is in efficient condition.

The air pump chamber has already been re-inforced by plates electric welded together around the base and is in efficient condition.

The main and auxiliary engines have been overhauled throughout and HP engine and shafting aligned. The HP engine piston hood renewals and guide shoes retabulated and other minor repairs effected.

W. S. S. & Co.