

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

Date of writing Report 25th August 1947 When handed in at Local Office 19 Port of Amsterdam

No. in Reg. Book 6966 Survey held at Amsterdam Date. First Survey 2nd June Last Survey 13th Aug. 1947
21579 on the Machinery of the ~~Wood, Iron or Steel~~ S/S "CHRYSSOULA" (ex "Bondicar") (No. of Visits 3)

Tonnage { Gross 1441 Vessel built at Sunderland By whom J. Crown & Sons Ltd. Year. Month. 1910-3
Net 804 Engines made at do By whom Richardsons, Westgarth & Co. When 1910-3
Nominal Horse Power 182 HP Boilers, when made (Main) Ateliers de Wageningen (Donkey) When 1910-3
No. of Main Boilers 2 Owners De Nederlandsche Handel Maatschappij Ltd. Owners' Address London
No. of Donkey Boilers 1 Managers Wine Hellema Lines Ltd. (If not already recorded in Appendix to Register Book.)
Steam Pressure in Main Boilers 150 Port Panama Voyage do
in Donkey Boilers do If Surveyed Afloat or in Dry Dock Weef Holland Nautic Haarlem (State name of Dock.)

Last Report No. do Port do

Particulars of Examination and Repairs (if any) SPECIAL SURVEY CONVERSION TO OIL-FIRING
(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.)

CHARACTER: * for Special Survey, Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (Including date of N.B., if any)
<u>+ 100 A1</u>		<u>+ LMC 1,36</u>
<u>146</u>		<u>BS 645</u>
<u>Exam. 5,45</u>		<u>TS seen 5,45 (CL)</u>
<u>TS seen 3-3,37</u>		
<u>h</u>		

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?

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

If not, state for what reasons

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

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

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

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

Has the screw shaft now been drawn and examined? Has it a continuous liner? Is an approved oil retaining appliance fitted at the after end?

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 oil retaining appliance fitted at the after end? State date of examination of Screw Shaft. State the wear down in the stern bush

Is electric light and/or power fitted? If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses?

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

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

The main engine has been entirely opened out, crankshaft lifted and all parts examined. In accordance with the Owner's Superintendent the following recommendations have been made: all 3 piston rods and slide valve rods to be skimmed up and rebushed - HP slide valve and valve-face to be dressed up - all 3 crosshead bearings to be renewed - guide shoes and strips to be planed-off and re-adjusted - all eccentric sheaves to be skimmed-up and straps to be re-metalled - bearing pockets in ME bedplate to be dressed-up in place and bearings to be re-adjusted - rams of ME driven bilge- & feed pumps to be renewed, neck & gland bushes to be renewed - reversing gear, turning gear and sundry valves & cocks to be opened out for inspection. Thrust block opened out, thrust shaft examined and condemned on account of cracks in neck of collars, thrust shaft to be renewed and horse-shoes to be re-metalled.

Please see continuation sheet

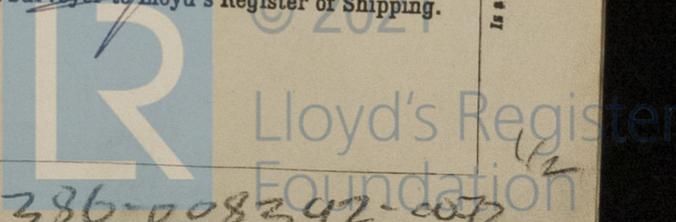
General Observations, Opinion, and Recommendation: The machinery is in the above condition.
(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, BS 9,11, B&MS 9,11 or LMC 9,11 or LMC 140 lb., FD, &c.)

We are of opinion that this vessel is eligible to remain as classed when repairs and conversion have been carried out in accordance with the requirements of the Rules. As the Owners now desire to have the vessel classed with the B.C., no further action has been taken.

FOR THE INFORMATION OF THE COMMITTEE	
Survey Fee (per Section 29)..... £	<u>137:50</u>
Special Damage or Repair Fee (if any) (per Section 29.)..... £	<u>19:0</u> 1947
Travelling expenses (if chargeable)..... £	<u>11:-</u>

Y. W. J. O. J. O. J. O.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute See minute on Rpt 8
Signed See minute on Rpt 8



008386-008392-0072

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

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

machinery of the *S/S "CHRYSSOULA"* (ex "*Bondicar*")

(CONTINUED)

Intermediate shafting examined and found with its bearings in order.

Condenser examined, hydr. tested and found in order.

Ballast pump and indep. feed pump to be opened for inspection.

The new main boiler (come from a "Flower-class" corvette, which was found marked: N°1036. Lloyd's Test. 387 lbs. WP225 lbs. J.J.T. 25-1-40) to be opened for inspection.

Existing donkey boiler to be opened for inspection.

As the vessel will be equipped with an oil fuel burning plant, the pumping arrangement is to be converted in accordance with the Rules and a plan to be submitted for approval.

With regard to the fitting of an Electrical Equipment, a plan is to be submitted for approval

Mr. [Signature]
[Signature]

