

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

(Received at London Office)

14 MAY 1946

Date of writing Report 19... When handed in at Local Office 10. 5. 1946 Port of NEWCASTLE-ON-TYNE

Not in Reg. Book. Survey held at South Shields Date. First Survey 18/12/45 Last Survey 17/1/46 (No. of Visits...)

on the Machinery of the Wood, Iron or Steel S.S. "EMPIRE CONSENT" Year. Month.

Tonnage { Gross 1943 Vessel built at Scheepswerven N.V. By whom E. Van der Giessen & Zonen When  
Net 964 Engines made at By whom When  
Nominal  
Horse Power } Boilers, when made (Main) (Donkey)  
No. of Main Boilers 2 (2) Owners M. O. W. T. Owners' Address  
No. of Donkey Boilers Managers Witherington & Ernest Port London Voyage  
Steam Pressure 15.2 lb. in Main Boilers 216 If Surveyed Afloat or in Dry Dock Both  
in Donkey Boilers (State name of Dock.) Swan Hunter

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 now expired.	Machinery and Boiler Surveys (including date of N.E., if any)

List Report No. Port

## Particulars of Examination and Repairs (if any) G.E., BS &amp; TS

Periodical Surveys, when held, must be reported in detail and serially 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 not, 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?

State latest date of internal examination of each boiler 4.4.46

Present condition of funnel(s) Good

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes

To what pressure were they afterwards adjusted under steam? 216 lbs / sq

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? 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 the screw shaft now been drawn and examined? Yes

Has it a continuous liner? Yes

Is an approved oil retaining appliance fitted at the after end? ✓

Has shaft now been changed? No 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 28.3.46

State the wear down in the stern bush 5/64

Is electric light and/or power fitted? Yes

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

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

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

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

Now done for dry dock: propeller, screw shaft, sea connections and outside fastenings examined and found or placed in good order.

BS: Boilers examined internally, and externally, together with their manholes, doors, mountings and fastenings, and found or placed in safe working order. Safety valves adjusted under steam to the above pressure.

G.E: A general examination made of the machinery, all external parts seen, examined under working conditions and found satisfactory.

Examined opened up, the following items, and placed in good working condition.

Main engine cylinders, pistons and rods, covers, valves and chests, crank shaft (lifted), and all auxiliary machinery.

Boiler repairs: Main and aux. check valves renewed, together with new lengths of copper pipes - HT. Water gauge glass cock and boiler shell cocks renewed, together with new lengths of copper pipes - hydraulically tested. Minor repairs effected to other mountings. P.T.O.

## General Observations, Opinion, and Recommendation: The machinery of this vessel is eligible

(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 140 lb., FD, &c.)

In our opinion to be assigned records of Examined LR 4,46 (12 months) BS 4,46 and T.S.C.L 3,46

Survey Fee (per Section 29) BS £ 3 : 0 : 0 Fees applied for  
ELECT. FEE (Elec. Repairs or new Generators) 7 : 7 : 0 113 MAY 1946  
Special Damage or Repair Fee (if any) £ 5 : 5 : 0  
(per Section 29.)  
Travelling expenses (if chargeable) £ : : : Received by me,  
19.

Committee's Minute FRL 14 JUN 1946

Assigned Examined LR 4,46  
S(C.L) 3,46 BS 4,46 (216 lb)

013950 - 013960 - 0084

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3.5. "EMPIRE CONSENT"

W & T repairs :- Oilways cut in main bearings and crank shaft "bedded in".  
1 - new additional dynamo fitted.  
Boiler blow down and ash cock plugs renewed.

*MM*

SURVEY OF ELECTRICAL INSTALLATION.

10/5/46

FIRST SURVEY 20/2/46 LAST SURVEY 22/4/46  
No. OF VISITS 3

GENERATORS 1-12 Kws. EXISTING AND 1-15 Kws ADDED

THE ELECTRICAL INSTALLATION EXAMINED UNDER WORKING CONDITIONS.  
NEW SWITCHBOARD FITTED. AFT ACCOMMODATION REWIRED. ENGINE ROOM LIGHTING  
OVERHAULED AND PARTLY REWIRED. NEW DISTRIBUTION FUSE BOX FITTED IN  
ENGINE ROOM. MIDSHIP ACCOMMODATION LIGHTING REWIRED. ALL PLUGS AND  
SOCKET OUTLETS RENEWED TO BRITISH STANDARDS. MAST HEAD FLOOD LIGHTS  
FITTED. NAVIGATION LIGHTS OVERHAULED.

A NEW 15 Kws - 220 VOLTS - 68 AMPS - 600 RPM - GENERATOR MADE BY CAMPBELL  
AND ISHERWOOD LTD. SERIAL NO. 33839 HAS BEEN ADDED TO THE INSTALLATION.  
THIS SET DOES NOT OPERATE IN PARALLEL WITH THE EXISTING SET. A MAKERS  
WORKS TEST CERTIFICATE FOR THE GENERATOR IS ATTACHED HERETO.

ON COMPLETION OF THE REPAIRS THE COMPLETE INSTALLATION WAS EXAMINED  
AND TESTED AND FOUND TO BE IN ORDER.

*RS*



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