

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

(Received at London Office)

JUN 1947

Date of writing Report 30. 5. 1947 When handed in at Local Office 31. 5. 1947 Port of GLASGOW.

No. in Survey held at ARDROSSAN Date. First Survey 1st March 1942 Last Survey 13th May, 1947  
Reg. Book. (No. of Plates) 1

72481 on the Machinery of the Wood, Iron or Steel "NARVA" ex "EMPIRE CONFERENCE"  
88302

Tonnage { Gross 1991 Vessel built at GAVLE By whom GAVLE VRVS- & VERKSTADS NYA A/B When 1943  
 Net 1076 Engines made at HAMBURG By whom OHMSTENSEN & MEYER When 1943  
 Nominal 216 Boilers, when made (Main) 1943 (Donkey) -  
 Horse Power 2 Owners GLEN & CO, Scottish Navigation Co Owners' Address -  
 No. of Main Boilers 2 Managers Glen & Co (if not already recorded in Appendix to Register Book.)  
 No. of Donkey Boilers - Port GLASGOW Voyage -  
 Steam Pressure in Main Boilers 227  
 in Donkey Boilers -  
 If Surveyed Afloat or in Dry Dock ARDROSSAN  
 (State name of Dock)

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 expired now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
<u>Examined L.R. 10, 46</u>		
<u>9.45</u>		

Last Report No. - Port -

### Particulars of Examination and Repairs (if any) Classification

(Periodical Surveys, when held, must be reported in detail and verbatim 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. L.R. 10, 46)

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? None

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 P. 30.4.47. St. 15.4.47. Present condition of funnel satisfactory

Did the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 227

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? None, 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? No

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 14.3.47. State the wear down in the stern bush 1/8" Is electric light not 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 To complete this survey

cocks have to be fitted for the water gauge columns instead of the valves at present fitted.  
Vessel placed in drydock, propeller, stern bush, sea connections and their fastenings examined,  
screw shaft drawn and examined.

Cylinders, pistons, piston valves, crank thrust and intermediate shaft, all pumps examined, condenser examined and tested, pumping arrangements in machinery spaces examined and tested under working conditions.

Both main boilers examined in their entirety and the safety valves adjusted under steam.  
The water gauge double shut off fittings on the boilers were found to be fitted with valves and it was arranged with the Owners to have them replaced by cocks at the first opportunity.  
See also First Entry Reports on Machinery and Boilers.

ELECTRICAL EQUIPMENT. A Special Survey of the Electrical Equipment carried out.  
Generators, Switchboard, cables and fittings examined, tried under working conditions and I.R. tests taken. At this time, a number of minor repairs effected, and a switch for each generator fitted to P.T.O.

General Observations, Opinion, and Recommendation: The machinery of this vessel is in good 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, LMC 9,11 or LMC 140 lb., FD, &c.)

and eligible in our opinion to be classed in the Register Book L.M.C. 5,47 with the notation  
Screw shaft C.L. 3,47 subject to water gauge double shut off valves on the boilers being replaced by cocks.

Survey Fee (per Section 29) £ 30.0.0 Fees applied for 10 JUN 1947  
 Special Damage or Repair Fee (if any) £ : Received by me, J Crawford, B. Daffner  
 Travelling expenses (if chargeable) £ 4.4.0 19 1947  
 " " 2 10 6  
 Committee's Minute GLASGOW 10 JUN 1947  
 Assigned Lmc 5.47  
subject

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

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

