

No. 72258

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Report made on 18th Oct. 1947 When handed in at Local Office... Port of **GLASSGOW** Received at London Office... **NOV 1947**

Survey held at **LEITH** Date, First Survey **1st Oct. 1947** Last Survey **6th Oct. 1947**
Book. (Number of Visits... 2)

on the **S.S. "BENVRACKIE" ex "SAMAFERIC"** Tons { Gross... **7210**
Net... **4395**

Baltimore By whom built **Fairfield S.B. Inc.** Yard No. - When built **1944**
Ben Line Steamers Ltd. Port belonging to **Leith**

Installation fitted by **Fairfield S.B. Inc.** Contract No. - When fitted **1944**

Is vessel fitted for carrying Petroleum in bulk **No** Is vessel equipped with D.F. **Yes** E.S.D. **Yes** Gy.C. **Yes** Radar **Sub-Sig.**

Plans submitted and approved. System of Distribution Voltage of supply for Lighting

Power Direct or Alternating Current, Lighting Power If Alternating Current state periodicity Prime Movers,

governing been tested and found as per Rule when full load is suddenly thrown on and off Are turbine emergency governors fitted with a

Generators, are they compound wound, are they level compounded under working conditions,

compound wound state distance between generators and from switchboard. Where more than one generator is fitted are they

to run in parallel, are shunt field regulators provided. Is the compound winding connected to the negative or positive pole

Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing. Have certificates of

machines under 100 kw. been supplied and the results found as per rule. Are the lubricating arrangements and the construction

Generators as per rule. Position of Generators

is the ventilation in way of generators satisfactory, are they clear of inflammable material, if situated

protected combustible material state distance from same horizontally and vertically, are the generators protected from mechanical

and damage from water, steam and oil, are the bedplates and frames earthed and the prime movers and generators in metallic

Switchboards, where are main switchboards placed

in accessible positions, free from inflammable gases and acid fumes, are they protected from mechanical injury and damage from water, steam

if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

is used for the panels, if of synthetic insulating material is it an Approved Type, if of

insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule. Is the frame effectually earthed

construction as per Rule, including accessibility of parts, absence of fuses on the back of the board, individual fuses

and earth lamps, voltmeters, etc., locking of screws and nuts, labelling of apparatus and fuses, fuses on the "dead"

switches. Description of Main Switchgear for each generator and arrangement of equaliser switches

each outgoing circuit

partments containing switchboards composed of fire-resisting material or lined as per Rule. Instruments on main switchboard

voltmeters, synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

connection. Earth Testing, state means provided

Circuit Breakers and Fuses, are they as per Rule, are the fuses an approved type, are all fuses labelled as

If circuit breakers are provided for the generators, at what overload current did they open when tested, are the reversed current

devices connected on the pole opposite to the equaliser connection, have they been tested under working conditions, and at what current

operate. Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule

are they insulated and protected as per the appropriate Tables of the Rules, if otherwise than as per Rule are they of an approved type

maximum fall of pressure between bus bars and any point under maximum load, are the ends of all cables having a sectional area of 0.04

inch and above provided with soldering sockets. Are paper insulated and varnished cambric insulated cables sealed at the ends.

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NOV 11 1947
LLOYD'S REGISTER

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
 The foregoing is a correct description.

Electrical Engineers. Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Ampères feet from standard compass feet from steering compass.

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Have the compasses been adjusted with and without the electric installation at work at full power

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

The maximum deviation due to electric currents was found to be degrees on course in the case of the

standard compass, and degrees on course in the case of the steering compass

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Builder's Signature Date

Is this installation a duplicate of a previous case If so, state name of vessel

Plans. Are approved plans forwarded herewith If not, state date of approval

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical repairs as recommended in London Report No 115564 together with several additions to the circuits, were carried out at this time, as follows:-
Repairs:- (1) Alternative supply fitted to navigation lights. (2) Low insulation faults removed.
 (3) Generator voltmeter recalibrated. (4) No3 Generator field regulator adjusted.
 (5) Distribution fuse boxes overhauled and spare fuses supplied. (6) Burnade and port deck lights rewired.

Additions:- Searchlight, gyro-compass and Radar cables installed.

On completion of repairs and modifications, above items examined and seen under working conditions, I.R. tests taken, and all found satisfactory.

The installation is, in my opinion, now such as could be accepted for classification, as recommended in London Report No 115564, but without limitation regarding repairs.

Total Capacity of Generators 60 Kilowatts.

The amount of Fee £ 16 : -

Travelling Expenses (if any) £ : :

When applied for - 4 NOV 1947

When received 10

B. Haffner

Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 4 NOV 1947

Assigned Transmitted to London

FRID 14 NOV 1947
 See F.E. mch. 1947

5m.4.38.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveys are requested not to write on or below the space for Committee's Minute.)

