

Rpt. 13.

No. 2496

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 8th July 1953 When handed in at Local Office 1953 Received at London Office 30 JUL 1953  
 No. in Survey held at L U B E C K Date, First Survey 9th April Last Survey 22nd June 1953  
 Reg. Book. Supplement (No. of Visits 20)  
91652 on the M.V. "DALKEY COAST" Tons { Gross 616.29  
 Built at L u b e c k By whom built Travewerft Ebschner & Gabler Yard No. 194 When built 1953  
 Owners Coastal Shipping Ltd. Port belonging to D u b l i n  
 Installation fitted by Brown, Boveri & Cie A.G. Marconi When fitted 1953  
 Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. yes E.S.D. yes Gy.C. no Sub.Sig. - Radar no

Plans, have they been submitted and approved yes System of Distribution 2 - wire Voltage of Lighting 220

Heating no Power 220 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency -

Prime Movers, has the governing been found as per Rule when full load is thrown on and off yes Are turbine emergency governors fitted with a trip switch - Generators, are they compound wound yes, and level compounded under working conditions -

Are the generators arranged to run in parallel no Is the compound winding connected to the negative or positive pole -

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing under 100kw. Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule tested by Society's Surveyors Position of Generators both main generator sets

port side forward and aft, emergency generator stbd. side forward at eng. room platform

is the ventilation in way of generators satisfactory yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil yes Switchboards, where are main switchboards placed forward, engine room platform

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil yes, what insulation is used for the panels dead front construction, if of synthetic insulating material is it an Approved Type -, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule - Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear

for each generator and arrangement of equaliser switches double pole linked switches with fuses in each pole

for main generators - double pole circuit breaker with low tension relay for shaft generator - double pole circuit breaker for emergency generator

and the switch and fuse gear (or circuit breakers) for each outgoing circuit double pole "Tacco" switches (Type Siemens) with fuses in each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 4

ammeters 4 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided control lamps in each pole

Preference Tripping, state if provided no, and tested -

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes

make of fuses Siemens, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate shaft generator & emergency generator 10%, and at what current do the reverse current protective devices operate -

Cables, are they insulated and protected as per Rule yes, if otherwise than as per Rule are they of an Approved Type -, state maximum fall of pressure between bus bars and any point under maximum load 2 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends -

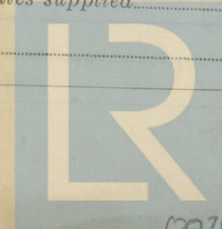
Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage yes, are any cables laid under machines or floorplates no, if so, are they adequately protected - State type of cables (if in conduit this should also be stated) in machinery spaces MK marine, galleys MK marine

and laundries - State how the cables are supported or protected suitably clipped to cable traps or laid in tubes

Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed yes Refrigerated chambers, are the cables and fittings as per Rule yes

Have refrigeration fan motors been constructed under survey - and test certificates supplied -

Are the motors accessible for maintenance at all times -



© 2020

Lloyd's Register Foundation

002013-002023-0059







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.

**BROWN, BOVERI & CIE**

Aktiengesellschaft  
Abt. Schaltstationen u. Installationen  
**HAMBURG**

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions

**Travewerft**  
**Ebschner & Gabler**

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct. yes

Is this installation a duplicate of a previous case no If so, state name of vessel -

forwarded on completion of Yard No. 195

Plans. Are approved plans forwarded herewith no, will be no If not, state date of approval 7.4.53

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

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.) The electrical equipment

has been installed under special Survey in accordance with the approved plans and the

Secretary's letters. The materials and workmanship are good. On completion the equipment

was tested under working conditions and found satisfactory and is, in my opinion, suitable

for a classed vessel.

Total Capacity of Generators 128 Kilowatts.

80% for installation

The amount of Fee ... £ DM. 760.-

When applied for,

19

When received,

19

Travelling Expenses (if any) £ see Rpt. 4b

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUESDAY 22 SEP 1953

Assigned

See Rpt 4c