

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

19 MAY 1950

Received at London Office.

Date of writing Report 3rd MAY 1950 When handed in at Local Office D^o 19... Port of SOUTHAMPTON

No. in Survey held at SOUTHAMPTON Date, First Survey 9th FEB 47 Last Survey 9th MAY 1950
Reg. Book. (Number of Visits 6)

1480 on the T.E.S. "ISLE OF GUERNSEY" Tons { Gross 2152
Net 934

Built at DUMFARTON By whom built W^m DENNY BROS Yard No. 1234 When built 1930

Owners BRITISH TRANSPORT COMMISSION Port belonging to SOUTHAMPTON

Electrical Installation fitted by W^m DENNY BROS Contract No. - When fitted 1930

Is vessel fitted for carrying Petroleum in bulk - Is vessel equipped with D.F. YES E.S.D. YES Gy.C. - Sub.Sig. -

Have plans been submitted and approved YES System of Distribution TWO WIRE INSULATED Voltage of supply for Lighting 110

Heating 110 Power 110 Direct or Alternating Current, Lighting D.C. Power D.C. If Alternating Current state periodicity - Prime Movers,

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

trip switch as per Rule - Generators, are they compound wound YES, are they level compounded under working conditions YES,

if not compound wound state distance between generators - and from switchboard - Where more than one generator is fitted are they

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

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

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

of the generators as per rule YES Position of Generators PORT & STB^s SIDES OF ENGINE ROOM

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

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

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

contact YES Switchboards, where are main switchboards placed ENGINE ROOM, ENTRANCE MAIN DECK

-

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

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

material is used for the panels -, 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 frame effectually earthed YES

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

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

side of switches YES Description of Main Switchgear for each generator and arrangement of equaliser switches TRIPLE POLE BREAKER

WITH CARBON BLOW OUTS. OVERCURRENT, NO-VOLT AND REVERSE CURRENT

PROTECTION PROVIDED

and for each outgoing circuit D.P. QUICK BREAK KNIFE SWITCHES WITH RENEWABLE FUSES UNDER

100 AMPS. D.P. BREAKER WITH OVERCURRENT PROTECTION OVER 100 AMPS

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 is the ammeter connected on the pole opposite to the

equaliser connection YES Earth Testing, state means provided LAMPS

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

per Rule YES If circuit breakers are provided for the generators, at what overload current did they open when tested 650, are the reversed current

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

did they operate - Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule YES

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

state 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

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

PARTICULARS OF GENERATING PLANT

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GENERATOR CABLES.

MAIN DISTRIBUTION CABLES.

LIGHTING AND HEATING, ETC., CABLES.

MOTOR CABLES.

0284 $\frac{2}{2}$

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 12' 0"

Minimum distance between electric generators or motors and steering compass 10' 0"

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.

Builder's Signature.

Date

Is this installation a duplicate of a previous case YES If so, state name of vessel "SLE OF JERSEY"

Plans. Are approved plans forwarded herewith YES 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 equipment of this vessel, which has not been built under special survey, is in accordance with the approved plans & Rule Requirements. The material and workmanship are good. It has been tested under full working conditions & found satisfactory.

Total Capacity of Generators 120 Kilowatts.

The amount of Fee ... £ 20 0 0

When applied for,

18/5/50

Travelling Expenses (if any) £ : :

When received.

19

Committee's Minute

TUES. 13 JUN 1950

Assigned

Robert W. Strachan
Surveyor to Lloyd's Register of Shipping.