

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 10 AUG 1955

Date of writing Report 14. 6. 1955 When handed in at Local Office 27. 6. 1955 Port of Glasgow

No. in Survey held at Bowling Date, First Survey 31.1.55 Last Survey 13. 6. 1955 (No. of Visits 5)

No. 16086 on the SHERIFA Tons { Gross 297 Net 24

Built at Bowling By whom built Scott & Sons Yard No. 404 When built 1955

Owners Sudan Government Railways Port belonging to London

Installation fitted by Scott & Sons When fitted 1955

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

Plans, have they been submitted and approved Yes System of Distribution Two wire insulated Voltage of Lighting 110

Feeding Power 110 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 Yes

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

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

Under 100 kw. been supplied and the results found as per Rule Yes Position of Generators 1 - 10KW Forward

Starboard and 1-10KW Aft Starboard of Machinery Space.

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 Starboard of

Machinery Space.

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 Sindanyo, if of synthetic insulating

Material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as

per Rule Yes 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 switch and a fuse on

each pole; and a double-pole linked change-over switch.

Is the switch and fuse gear (or circuit breakers) for each outgoing circuit Double-pole linked switch and a

fuse on each pole.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2

Ammeters 2 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 Yes Earth Testing, state means provided

With lamps & switches. Preference Tripping, state if provided Yes, and tested Yes

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

Type of fuses Antic & M.E.M. are all fuses labelled Yes If circuit breakers are provided for the generators, at what

load do they operate Yes, and at what current do the reverse current protective

devices operate Yes Cables, are they insulated and protected as per Rule Yes

Otherwise than as per Rule are they of an Approved Type Yes, state maximum fall of pressure between bus bars and any point

or maximum load less than 6% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends Yes

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 Yes State

of cables (if in conduit this should also be stated) in machinery spaces VIR LCB and VIR in conduit, galleys VIR in conduit

laundries. State how the cables are supported or protected Clipped to perforated steel

plates, steel platings, steel or wooden structures; or run in conduit.

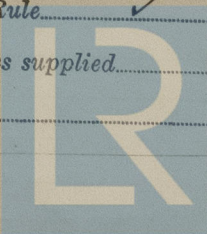
Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight

heads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes

thoroughly bushed Yes Refrigerated chambers, are the cables and fittings as per Rule Yes

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

Are the motors accessible for maintenance at all times Yes



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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.

Secor & Son

Electrical Contractors.

Date

24/6/55

COMPASSES.

Have the compasses been adjusted under working conditions.

Yes

Secor & Son

Builder's Signature.

Date

24/6/55

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. *✓*

Plans. Are approved plans forwarded herewith. *No* If not, state date of approval. *14.10.54*

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 installation has been fitted under special survey in accordance with the Rules for Electrical Equipment and approved plans. It has been tested under working conditions and found satisfactory.

Materials and workmanship are good.

Total Capacity of Generators. *20* Kilowatts.

The amount of Fee ... £ *20* : *0* s.

When applied for,

9 AUG 1955

When received,

19

Travelling Expenses (if any) £ *0* : *5* s.

E. A. Roberts

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW

9 AUG 1955

Assigned

ACCOMPANYING MACHINERY REPORT



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*Secor
27/6/55*

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and