

Rpt. 13.

No. 7908

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

22 NOV 1948

Date of writing Report 16. 11. 19 48. When handed in at Local Office 17. 11. 19 48. Port of **TORQUAY.**
No. in Survey held at **APPLEDORE.** Date, First Survey 9. 6. 48. Last Survey 4. 11. 19 48.
Reg. Book. (No. of Visits **Six**)
on the **"ADMIRAL GRENVILLE" ex M.M.S. 1024.** Tons { Gross 332
Net 117
Built at **Sandhaven** By whom built **J. & G. Forbes & Co.** Yard No. -- When built **1943**
Owners **Stirling Fishing Co. Ltd.,** Port belonging to **London**
C/o Messrs. Phillips Anderson
Installation fitted by **When fitted.**
Is vessel equipped for carrying Petroleum in bulk No. Is vessel equipped with D.F. E.S.D. Gy.C. Sub. Sig.

Plans, have they been submitted and approved **Yes** ✓ System of Distribution **Parallel** Const. Voltage of Lighting **220**
Heating **220** Power **220** D.C. or A.C., Lighting **DC** Power **OC** 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**,
if not compound wound state distance between generators **---** and from switchboard **---** Are the generators arranged to run
in parallel **NO**, are shunt field regulators provided **Yes** Is the compound winding connected to the negative or positive pole
positive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing **None** Have certificates of
test for machines under 100 kw. been supplied **No** and the results found as per Rule **---**
Position of Generators No. 1 (Starbd) **25 KW** No. 2 (Port) **15 KW**
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 **Wood Vessel** Switchboards, where are main switchboards placed **Starboard Side Engine Room.**
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 or similar**, 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 **---** 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 **Change over DP Switch & DP Fuses (shore or generators) plus one**
change over iron clad DP switch. No. 1 & 2 Generators.
and the switch and fuse gear (or circuit breakers) for each outgoing circuit **DP Switches and fuses**
Are compartments containing switchboards composed of fire-resisting material or lined as per Rule **Yes** Instruments on main switchboard **1**
ammeters **1** voltmeters **---** synchronising devices. For compound machines in parallel are the ammeters and reversed current
protection devices connected on the pole opposite to the equaliser connection **---** Earth Testing, state means provided **Earth**
lamps and fuses
Switches, Circuit Breakers and Fuses, are they as per Rule **Adm. Type**, are the fuses an Approved Type **---**
make of fuses **---**, are all fuses labelled **Yes** If circuit breakers are provided for the generators, at what
overload do they operate **None**, and at what current do the reversed current protective devices operate **---**
Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule **Yes**
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 **3 volts.**, are the ends of all cables having a sectional
area of 0.01 square inch and above provided with soldering sockets **Yes** 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 **Main to SB**, if so, are they
adequately protected **Yes** Are cables in machinery spaces, galleys, laundries, etc., lead covered **Yes** or run in conduit **---**
or of the "HR" type **---** State how the cables are supported or protected **Clipped to trays or wood work.**
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 **---**
Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule **Yes** Emergency Supply, state position
None.

PARTICULARS OF GENERATING PLANT.

GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

MOTOR CABLES.



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 Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions. Yes.

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct

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 sea services and generators forwarded herewith.

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

This installation originally fitted to Admiralty Specification and now altered to the requirements of the present Owners, has been examined throughout found in accordance with the plan approved by the Secretary's letter of the 22.10.48 and found satisfactory when tried under working conditions.

Total Capacity of Generators 40 Kilowatts.

The amount of Fee ... £ 16 : 0 : { When applied for,

19.

Travelling Expenses (if any) £ : : { When received,

19.

Committee's Minute

Assigned

Surveyor to Lloyd's Register of Shipping.



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