

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 10. 8. 1948. When handed in at Local Office 16. 10. 1948. Port of GRIMSBY. Received at London Office 18 OCT 1948

No. in Survey held at Grimsby. Date, First Survey 16. 3. 48. Last Survey 30. 7. 1948.  
Reg. Book. (Number of Visits 2)

on the S/T "SLETNES" (ex P.V. 6111). Tons {Gross - Net -

Built at Hamburg. By whom built Nordervelft. Yard No. - When built 1940

Owners Rinovia Steam Fishing Co., Ltd. Port belonging to Grimsby

Electrical Installation fitted by Rinovia Steam Fishing Co., Ltd. Contract No. - When fitted 1948

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

Have plans been submitted and approved Yes. System of Distribution Two wire. Voltage of supply for Lighting 110

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

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Yes. Are turbine emergency governors fitted with a

trip switch as per Rule No. 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 No, are shunt field regulators provided Yes. Is the compound winding connected to the negative or positive pole

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

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

of the generators as per rule Yes. Position of Generators Engine room starboard side.

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. Switchboards, where are main switchboards placed Engine room starboard side near generator.

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 "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 - 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 Double pole single

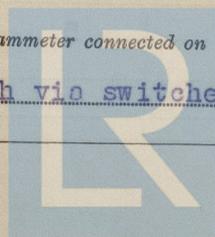
throw knife switches & double pole fuses.

and for each outgoing circuit Double pole, double throw knife switches and double pole fuses.

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

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

equaliser connection - Earth Testing, state means provided Lamps coupled to earth via switches & fuses.





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..... 37'0"

Minimum distance between electric generators or motors and steering compass..... 32'0"

The nearest cables to the compasses are as follows:—

A cable carrying .2 Ampères inside ~~5~~ feet from standard compass 5" feet from steering compass.

A cable carrying .2 Ampères 5' feet from standard compass inside ~~5~~ feet from steering compass.

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

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

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

The maximum deviation due to electric currents was found to be Nil degrees on every course in the case of the standard compass, and Nil degrees on every course in the case of the steering compass.

Builder's Signature. Date.....

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

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

The installation as originally fitted by the German Builders was removed and an entirely new one fitted. A new main switchboard, distribution boards and one additional 6 K.W. Diesel driven generator fitted, and an 8 KW changed for a 15 KW steam driven (reconditioned).

The new equipment was installed in accordance with the approved plans and with the Rules. The materials used are of good quality and the workmanship is good.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators..... 26 Kilowatts.

The amount of Fee ...	£ 13 - -	When applied for, 16.10.19... 48.
Travelling Expenses (if any)	£ - : 10/8	

*W. G. Cornell*  
 Surveyor to Lloyd's Register of Shipping.

FRI. 19 NOV 1948

Committee's Minute .....

Assigned.....

2m.10.38.—Transferor. (MADE IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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