

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

27 JAN 1947

Date of writing Report... 9-1-1946... When handed in at Local Office... 19... Port of GRONINGEN

No. in Survey held at Delfzijl Date, First Survey 20-8-46 Last Survey 15-1-1947 (Number of Visits 4)

54585 on the Motorvessel "ARBO" Tons { Gross 200 Net 126

Built at Waterhuizen By whom built N.V. Gebr. v. Diepen's Yard No. 805 When built 1933 Scheepswerven.

Owners Mr. J. de Boer Port belonging to Delfzijl

Electrical Installation fitted by Herman Eekels Contract No. When fitted 1947

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

Have plans been submitted and approved yes System of Distribution two wire Voltage of supply for Lighting 24

Heating Power Direct or Alternating Current, Lighting Direct Bower 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 Generators, are they compound wound no, are they level compounded under working conditions

if not compound wound state distance between generators and from switchboard 8 ft. Where more than one generator is fitted are they

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

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 yes 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 in 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 in engine room

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 porcelain and cast-steel boxes, 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

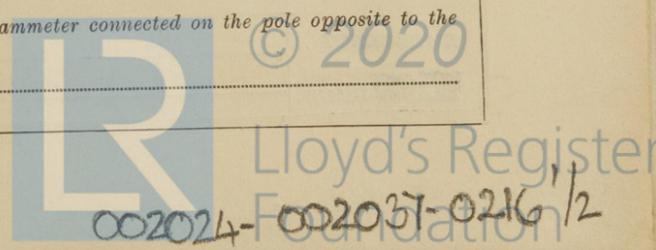
Double pole quick circuit breaking switch with double pole fuses.

and for each outgoing circuit Double pole quick circuit, breaking switch with double pole fuses.

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

ammeters one 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 two earth lamps.





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 9-1-47.....

**COMPASSES.**

Minimum distance between electric generators or motors and standard compass..... 5 Metres.....

Minimum distance between electric generators or motors and steering compass..... 8 Metres.....

The nearest cables to the compasses are as follows:—

A cable carrying 0.18 Ampères 20 feet from standard compass 55 feet from steering compass.

A cable carrying ..... Ampères ..... feet from standard compass ..... 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..... unknown.....

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..... no...... If so, state name of vessel.....

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

This installation has been fitted in conformity with the Society's Rules and Regulations and the Secretary's letter and approved plan, was found in good working condition when tried and the electrical installation merits in my opinion the Committee's approval.

Noted Jan 20.2.47

Total Capacity of Generators..... 0.96  .....Kilowatts.

The amount of Fee ... ..	£1. 75.-	}	When applied for,
			.....19.....
Travelling Expenses (if any) £	:	}	When received,
			.....19.....

[Signature]  
 Surveyor to Lloyd's Register of Shipping.

FRI. 21 FEB 1947

Committee's Minute .....

Assigned See P.B. mch. rpt.

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



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