

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office... MAR-5

Date of writing Report.....19..... When handed in at Local Office - 3 MAR 1941 Port of Sunderland

No. in Survey held at Sunderland Date, First Survey 18-10-40 Last Survey 13-2-1941
Reg. Book. Suppl. (Number of Visits.....)

89972 on the STANFORD Tons {Gross 5969 Net 3584

Built at Sunderland By whom built W. Pickersill & Sons Yard No. 245 When built 1940

Owners Stanhope SS Co Port belonging to London

Electrical Installation fitted by Campbell & Howard Ltd. Contract No. 245 When fitted 1941

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 110

Heating Power Direct or Alternating Current, Lighting kind 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 No 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 No,

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 No 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 - 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 Engine room starboard side

is the ventilation in way of generators satisfactory No are they clear of inflammable material No, 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 No, are the bedplates and frames earthed No and the prime movers and generators in metallic

contact No Switchboards, where are main switchboards placed Engine room, starboard side, off

bulkhead

are they in accessible positions, free from inflammable gases and acid fumes No, are they protected from mechanical injury and damage from water, steam

and oil No, if situated near unprotected combustible material state distance from same horizontally - and vertically - what insulation

material is used for the panels Chamy Sinsungyo, if of synthetic insulating material is it an Approved Type No, if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule - Is the frame effectually earthed No

Is the construction as per Rule No, including accessibility of parts No, absence of fuses on the back of the board No, individual fuses

to pilot and earth lamps, voltmeters, etc. No locking of screws and nuts No, labelling of apparatus and fuses No, fuses on the "dead"

side of switches No Description of Main Switchgear for each generator and arrangement of equaliser switches D.P. circuit

breakers with overload trips

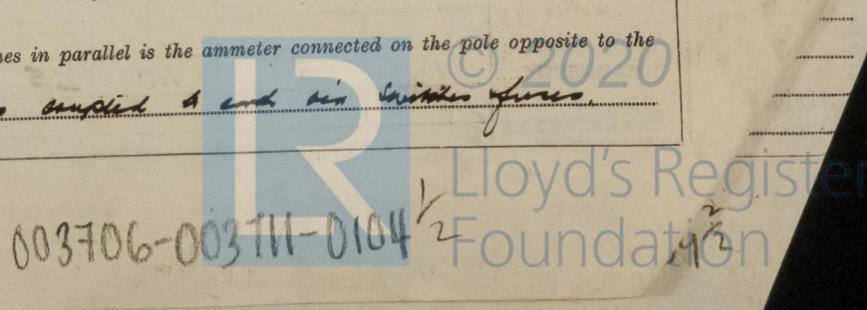
and for each outgoing circuit double pole quick break knife switches and double

pole fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule No Instruments on main switchboard

ammeters - 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 Earth lamps coupled to each via switch 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.

CAMPBELL & ISHERWOOD, LTD

Thomas Ischerwood

Electrical Engineers.

Date 26th Feb 1941

COMPASSES.

Minimum distance between electric generators ~~or motors~~ and standard compass 100'

Minimum distance between electric generators ~~or motors~~ and steering compass 90'

The nearest cables to the compasses are as follows:—

A cable carrying .14 Ampères inside feet from standard compass — feet from steering compass.

A cable carrying .14 Ampères — feet from standard compass inside 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 any course in the case of the

standard compass, and Nil degrees on any course in the case of the steering compass.

FOR WM. PICKERSGILL & SONS, LIMITED.

W. J. Pickersgill

Builder's Signature.

Date 19.4.41

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.)

The electrical equipment of this vessel was installed under special survey. The workmanship and materials used are good. The governing regulation and compensation of the generator sets were tested. The insulation resistance of each circuit measured and found satisfactory. In my opinion, the installation is suitable for a classed vessel.

Noted
L. J.
5/3/41.

Total Capacity of Generators 35 Kilowatts.

The amount of Fee ...	£ 23 : 15 :	When applied for, <u>19 Feb 1941</u>
Travelling Expenses (if any) £	:	When received,19.....

L. S. Bowen

Surveyor to Lloyd's Register of Shipping.

Committee's Minute 14 MAR 1941

Assigned See A/c 36 23049

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

