

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

JUL -3 1940

Date of writing Report. 29th June 40 When handed in at Local Office. 1.7.40 Port of Glasgow.No. in Survey held at Greenock & Port Glasgow. Date, First Survey 1940 April 12 Last Survey 26th June 1940
Reg. Book. 38580 on the S.S. CAPE WRATH

Built at Port Glasgow. By whom built Lithgows Ltd. Yard No. 934. When built 1940.

Owners. Lyle Shipping Co. Ltd. Port belonging to Glasgow.

Electrical Installation fitted by W. Muir Goodfellow & Co. Ltd. Contract No. 934. When fitted 1940.

Is vessel fitted for carrying Petroleum in bulk. — Is vessel equipped with D.F. — E.S.D. — Gy.C. — Sub.Sig. —

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

Heating — Power 110. Direct or Alternating Current, Lighting D.C. Power D.C. 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. — Are turbine emergency governors fitted with a

trip switch as per Rule. — Generators, are they compound wound. — are they level compounded under working conditions. —

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 — are shunt field regulators provided. — 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. — 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. — Position of Generators in engine room.

is the ventilation in way of generators satisfactory. — are they clear of inflammable material. — 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. — are the bedplates and frames earthed. — and the prime movers and generators in metallic

contact. — Switchboards, where are main switchboards placed. near generator.

are they in accessible positions, free from inflammable gases and acid fumes. — are they protected from mechanical injury and damage from water, steam

and oil. — if situated near unprotected combustible material state distance from same horizontally — and vertically — what insulation

material is used for the panels. — if of synthetic insulating material is it an Approved Type. — if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule. — Is the frame effectually earthed. —

Is the construction as per Rule. — including accessibility of parts. — absence of fuses on the back of the board. — individual fuses

to pilot and earth lamps, voltmeters, etc. — locking of screws and nuts. — labelling of apparatus and fuses. — fuses on the "dead"

side of switches. — Description of Main Switchgear for each generator and arrangement of equaliser switches. Generator

controlled by D.P. Switch and fuses.

and for each outgoing circuit. controlled by S.P. Switch and D.P. fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. — Instruments on main switchboard. 1

ammeters. 1 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.

PARTICULARS OF GENERATING PLANT.

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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.

FOR AND BEHALF OF
W. MUIR GOODFELLOW & COY LTD

Electrical Engineers.

Date 29/6/40

COMPASSES.

Minimum distance between electric generators or motors and standard compass 20 feet.

Minimum distance between electric generators or motors and steering compass 18 feet.

The nearest cables to the compasses are as follows:—

A cable carrying 36 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 3.5 Ampères 8 feet from standard compass 8 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.

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 nil degrees on Anf. course in the case of the standard compass, and nil degrees on Anf. course in the case of the steering compass.

LITHGOWS LIMITED

Builder's Signature.

Date 1/7/40

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 has been fitted on board under special survey tested under full working conditions and found satisfactory. The material and workmanship are good.

Total Capacity of Generators 12.5 Kilowatts.

The amount of Fee ... £ 12 : 10 : When applied for, at 50/-

Travelling Expenses (if any) £ 16/3 : When received, 5th July 1940 R.S.J. 8/4

Committee's Minute GLASGOW 2 JUL 1940

Assigned SEE ACCOMPANYING MACHINERY REPORT

L. G. Findlay

Surveyor to Lloyd's Register of Shipping.



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