

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office JAN - 2 1941

Date of writing Report 14<sup>th</sup> Decem<sup>r</sup>. 40. When handed in at Local Office 24:12:40 Port of Glasgow  
 No. in Survey held at Port Glasgow Date, First Survey 25:10:40 Last Survey 19<sup>th</sup> Decem<sup>r</sup>. 40.  
 Reg. Book. Port Glasgow (Number of Visits...11)  
 on the non propelling Salvage Lighter L.C.9  
 Built at Port Glasgow By whom built James Lamont & Co. Ltd Yard No. 357 Tons {Gross...  
 Owners Admiralty Port belonging to Glasgow J 1184 When built 1940  
 Electrical Installation fitted by Telford, Grier, Mackay & Co. Ltd. Contract No. 357 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 Yes System of Distribution two wire Voltage of supply for Lighting 220

Heating... 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... Yes 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... Yes 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... 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... Near generators.

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... Slates mounted on Micanised Bars

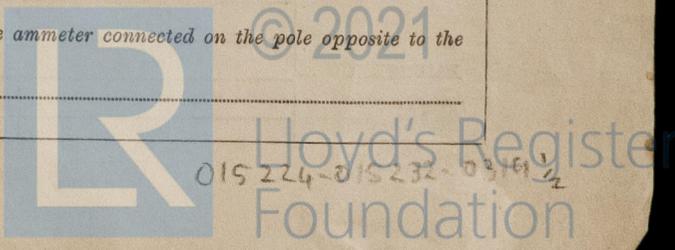
if of synthetic insulating material is it an Approved Type... Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule... Is the frame effectually earthed... Yes

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... DP. Switch and fuses

and for each outgoing circuit... DP. Switch and 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.





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.

*J. Norman Ferguson* TELFORD, GRIER, MACKAY & CO. LTD. Electrical Engineers. Date *18/12/40*  
 DIRECTOR

COMPASSES. *None fitted.*

Minimum distance between electric generators or motors and standard compass.....  
 Minimum distance between electric generators or motors and steering compass.....  
 The nearest cables to the compasses are as follows:—  
 A cable carrying ..... Ampères ..... feet from standard compass ..... 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 .....  
 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..... *Yes* If so, state name of vessel *Savage Vessel L.C.8*

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 and in accordance with the approved plans and specification, tested  
 under full working conditions and found satisfactory. The material and  
 workmanship are good.*

*Noted  
 L.J.  
 3/1/41.*

*Rob  
 24/12/40*

Total Capacity of Generators..... *6* ..... Kilowatts.

The amount of Fee ... .. £ *12: -* : When applied for, *at work*  
 Travelling Expenses (if any) £ *- - -* : When received, *10-3-19*

*S. G. Finlay*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute ..... **GLASGOW 31 DEC 1940**

Assigned..... **SEE ACCOMPANYING MACHINERY REPORT.**

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