

Rpt. 13.

No. 64003

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) - 3 JUL 1941

Received at London Office.....

Date of writing Report. 2nd June 41. When handed in at Local Office. 30. 6. 41 Port of Glasgow.No. in Survey held at Greenock & Port Glasgow. Date, First Survey. 8. 4. 41 Last Survey. 16 June 19 41
Reg. Book. (Number of Visits. 3)

90954. on the M.Y. 'EMPIRE SPRING'

Built at Port Glasgow. By whom built. Lithgows Ltd. Yard No. 944. When built. 1941.

Owners. His Majesty represented by The Minister of Shipping. Port belonging to. Greenock.

Electrical Installation fitted by The Sunderland Forge & Eng Co Ltd. Contract No. 944. When fitted. 1941.

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. 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. Yes. Are turbine emergency governors fitted with atrip switch as per Rule. - 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 polenegative. Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing. - Have certificates oftest for machines under 100 kw. been supplied. Yes and the results found as per rule. Yes. Are the lubricating arrangements and the constructionof 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 metalliccontact. Yes. Switchboards, where are main switchboards placed. near generation.are they in accessible positions, free from inflammable gases and acid fumes. Yes, are they protected from mechanical injury and damage from water, steamand oil. Yes, if situated near unprotected combustible material state distance from same horizontally. - and vertically. - what insulationmaterial is used for the panels. Insulation, if of synthetic insulating material is it an Approved Type. Yes, if ofsemi-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 fusesto 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.O.P. Switch and Fuseand for each outgoing circuit. O.P. Switch and FuseAre compartments containing switchboards composed of fire-resisting material or lined as per Rule. - Instruments on main switchboard. 2ammeters. 2 voltmeters. - synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to theequaliser connection. - Earth Testing, state means provided. with lamps

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