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20 NOV 1959

Rpt. 13.

No. 8725

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 11. 11. 19 59. When handed in at Local Office 19. Port of PLYMOUTH

No. in Survey held at APPELDORRE Date, First Survey 20. 10. 59. Last Survey 13. 11. 1959.  
Reg. Book. (No. of Visits Five.)

on the "STRANTON" Tons Gross 144.75 Net

Built at Appledore By whom built P.K. Harris & Sons Yard No. 124 When built 1959 11

Owners British Transport Commission Port belonging to W. Hartlepool

Installation fitted by Mann Egerton & Co. Norwich When fitted 1959 11

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

Plans, have they been submitted and approved Yes System of Distribution Constant Pressure Voltage of Lighting 110  
2 wire parallel

Heating --- Power 110 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency ---

Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted  
with a trip switch --- Generators, are they compound wound Yes, and level compounded under working conditions Yes

Are the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole positive

Have machines 100 kw. and over 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 Yes Position of Generators Engine Room 46 KW Port  
& Starbd. 15 KW Port Aft

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and  
damage from water, steam and oil Yes Switchboards, where are main switchboards placed Engine Room For'd

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,  
steam and oil Yes, what insulation is used for the panels Paxoline, 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 construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear

for each generator and arrangement of equaliser switches 46 KW OL & RC Breakers operated by Contactors

Additional fuses fitted between Main Generator and Contactors. Contactors for equalisers

15 KW D.P. Switch and fuse

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. Switches & fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 5  
ammeters 4 voltmeters --- synchronising devices For compound machines in parallel are the ammeters and reverse current

protection devices connected on the pole opposite to the equaliser connection Yes Earth Testing, state means provided Earth  
lamps & switches Preference Tripping, state if provided None, and tested ---

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes

make of fuses Dennis, are all fuses labelled Yes If circuit breakers are provided for the generators, at what  
overload do they operate 495 A. Port 500 A. Stbd., and at what current do the reverse current protective-

devices operate 45 amps Cables, are they insulated and protected as per Rule Yes  
if otherwise than as per Rule are they of an Approved Type ---, state maximum fall of pressure between bus bars and any point

under maximum load 2 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends ---

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical  
damage Yes, are any cables laid under machines or floorplates No, if so, are they adequately protected --- State

type of cables (if in conduit this should also be stated) in machinery spaces Butyl Fire Braided, galleys Butyl Fire Braided  
and laundries --- State how the cables are supported or protected On trays or clipped to bulkheads

Are all lead sheaths, armoring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight  
bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes

effectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule None

Have refrigeration fan motors been constructed under survey --- and test certificates supplied ---

Are the motors accessible for maintenance at all times ---

16.3.59.

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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.

*J. H. Giggitt for Messrs Egerton & Co Ltd* Electrical Contractors. Date *14-11-59*

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

P. K. HARRIS & SONS LTD.

*G. H. Falconer*  
SHIPYARD MANAGER

Builder's Signature. Date *14/11/59*

Have the foregoing descriptions and schedules been verified and found correct. Yes

Is this installation a duplicate of a previous case. Yes If so, state name of vessel. "Hart" (Fly. rpt. 8664)

Plans. Are approved plans forwarded herewith. Yes If not, state date of approval.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. Yes

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

This Electric installation has been installed on board under Special Survey in accordance with or equivalent to the Rules, Approved plans, and Secretary's letters.

The workmanship and materials are good and when tried under load it was found satisfactory in every respect.

In my opinion it meets the Society's requirements for any Class the vessel is eligible for.

Total Capacity of Generators..... 107 Kilowatts.

The amount of Fee ... £ 58 : 1 : When applied for, 16. 11. 19 59.

Travelling Expenses (if any) £ 9 : 4 : When received, 19.

*Digby L.H. Collinson*  
Surveyor to Lloyd's Register of Shipping.  
(Digby L.H. Collinson)

Committee's Minute FRIDAY 22 JAN 1960

Assigned See Apt. 1

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5m. 6.50 - Transfer. (MADE AND PRINTED IN ENGLAND)  
(The Surveyors are requested not to write on or below this space for Committee's Minute.)



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