

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 1 NOV 1949

Date of writing Report 10. 8. 1949. When handed in at Local Office 31 OCT 1949 Port of Grimsby  
 No. in Survey held at Immingham Date, First Survey 24. 6. 49. Last Survey 5. 8. 1949.  
 Reg. Book. (No. of Visits 3.)  
 30933 on the S.S. "WILLIAM HOSMAN" Tons { Gross 1793  
 Net 995  
 Built at Sturgeon Bay By whom built Leathen D Smith & Co. Yard No. When built 1943  
 Owners Ministry of Transport on bareboat charter from U.S.M.C. Port belonging to London  
 Installation fitted by - When fitted 1943  
 Is vessel equipped for carrying Petroleum in bulk No. Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. No Sub.Sig. No Radar -

Plans, have they been submitted and approved No System of Distribution two wire Voltage of Lighting 110

Heating Power 110 D.C. or A.C., Lighting DC Power DC 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

if not compound wound state distance between generators - and from switchboard - Are the generators arranged to run in parallel Yes, are shunt field regulators provided Yes 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 No and the results found as per Rule -

Position of Generators Engine room starboard on platform

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 on angle frame near generators

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 "Sindanyo" 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 A double pole, air break circuit breaker with O/L & R/V current trips and separate linked equalising switch.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit a double pole knife switch and double pole fuse.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard two

ammeters 3 voltmeters - synchronising devices For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection Yes Earth Testing, state means provided E. lamps

coupled to E. through switches and fuses

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes, are all fuses labelled - If circuit breakers are provided for the generators, at what make of fuses - and at what current do the reversed current protective devices operate Yes

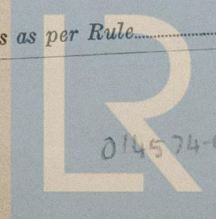
overload do they operate 10, and at what current do the reversed current protective devices operate Yes

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule Yes to A.I.E.E. Standards, if otherwise than as per Rule are they of an Approved Type Yes

Cables, are they insulated and protected as per Rule - are the ends of all cables having a sectional state maximum fall of pressure between bus bars and any point under maximum load - are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets Yes Are all paper insulated and varnished cambric insulated cables sealed at the ends Yes 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 - Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit -

or of the "HR" type - State how the cables are supported or protected Main feeders run on solid metal trough in forward and aft bunkers. In accommodation cables on open hangers supported from deck beams.

Are all lead sheaths, armouring 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 -



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Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... Yes.....



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.

Electrical Contractors.

Date

#### COMPASSES.

Have the compasses been adjusted under working conditions

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct

is Design N.3.3.R1 Cargo Vessels U.S.A.  
Is this installation a duplicate of a previous case If so, state name of vessel

Plans. Are approved plans forwarded herewith No If not, state date of approval

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith No

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 examined, tested and found to comply in general principle with the Society's "Rules for Electrical Equipment". No plans are available but the installation was found to be similar in circuit detail to the plans of the "Samuel Very" forwarded by The Secretary for use in this Survey. The cables are to the standards of the R.I.E.E. and of adequate current carrying capacity for their several duties. The generators and motors were satisfactorily operated on load and the insulation resistance of all the circuits was found good. This equipment as now seen is in my opinion suitable for a vessel bearing the Society's Class.

Noted.  
21/12/49.  
G.S.

Total Capacity of Generators 52 1/2 Kilowatts.

The amount of Fee ... £ See Rpt. 9 When applied for, 19  
When received, 19  
Travelling Expenses (if any) £ :

Committee's Minute

FRL 30 DEC 1949

Assigned

See minute on  
f.c. rpt

W. G. Connell

Surveyor to Lloyd's Register of Shipping.