

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 3rd June 1959 When handed in at Local Office 5th June 1959 Port of Spawick

No. in Survey held at howestaff. Date, First Survey 11.2.59 Last Survey 3.6.59

Reg. Book. (No. of Visits 44)

on the MOTOR TUG "KANCHADEVA" Tons { Gross 12 Net 12 } When built 1959

Built at howestaff By whom built Brooke Marine Ltd Yard No. 269

Owners Brown Agents for the Bahamas Port belonging to Bahamas

Installation fitted by howestaff Electrical 60 Ltd. When fitted 1959

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 Rada No

Plans, have they been submitted and approved Yes System of Distribution Two wire Voltage of Lighting 110

Heating None 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 Negative

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing None Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule Yes Position of Generators 25kw Port side

engine room, 10kw St'bd side engine room.

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 Starboard side

of engine room.

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 Sheet steel dead front board 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 construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear for each generator and arrangement of equaliser switches Double pole rotary circuit breakers.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole combined rotary selector and isolating switches

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard 2

ammeters 2 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 - Earth Testing, state means provided Earth lamps

with metal filament not exceeding 30w Earth Testing, 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 No Overload trips, and at what current do the reverse current protective devices operate None 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 less than 6% volts 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 - State type of cables (if in conduit this should also be stated) in machinery spaces VRI, galleys -

and laundries - State how the cables are supported or protected On perforated metal trays

Secured with brass screws and clips.

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 -

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

Are the motors accessible for maintenance at all times -



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.

LOWESTOFT

Electrical Contractors. Date 4.6.59.

COMPASSES.

Have the compasses been adjusted under working conditions.

Yes.

C. J. Swales

Builder's Signature.

Date 4.6.59.

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

Yes.

Is this installation a duplicate of a previous case. NO If so, state name of vessel.

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 electrical installation has been carried out satisfactorily in accordance with the approved plans, the Secretary's letters and the Rule requirements. The materials used throughout are good and the workmanship satisfactory. In my opinion this installation is eligible for inclusion in the notation of S.M.C. with date to be assigned on arrival at Belombo to which port the ship is now proceeding as deck cargo.

Total Capacity of Generators 35 Kilowatts.

The amount of Fee ... £ 35 : 0 0

When applied for, 15 JUN 1959

Travelling Expenses (if any) £ 2 : 11 0

When received,

G. Taevod

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

5m.6.56 - Transfer. (MADE AND PRINTED IN ENGLAND) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

19.6.59



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