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3 NOV 1958

No. 12426

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 14.10 19 58 When handed in at Local Office 19 Port of BILBAO
No. in Survey held at Santander Date, First Survey 12.3.58 Last Survey 21.7. 19 58
Reg. Book. (No. of Visits 7 992

66319 on the M/V. Single screw "JOSELIN" Tons Gross 572

Built at Santander By whom built Corcho Hijos S.A. Yard No. 71 When built 1958

Owners J.M. Pombo Romero-Robledo Port belonging to Santander

Installation fitted by Corcho Hijos S.A. When fitted 1958

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 No

Plans, have they been submitted and approved Yes System of Distribution Two wires Voltage of Lighting 220V.

Heating - Power 220 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 None Generators, are they compound wound Yes, and level compounded under working conditions Yes

Are the generators arranged to run in parallel 2 main Yes Is the compound winding connected to the negative or positive pole Yes

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 Eng. room platform port

and starb.

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 Eng. room aft Deck flat.

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 slate, 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 Yes 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 circuit breakers with overload and

reverse current trips & single pole equaliser switch interlocked

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole linked switches with fuses in

each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 4

ammeters 5 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 lamps

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 A.E.S.A., are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 40% overload, and at what current do the reverse current protective

devices operate 15% 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 2'4 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends None

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 None, if so, are they adequately protected - State

type of cables (if in conduit this should also be stated) in machinery spaces V.R. - L.C. & Met. braided V.R. - L.C. & Met. braided

and laundries - State how the cables are supported or protected Clamped and clipped as per

Rules to bulkheads, deck head, steel trays or tubes.

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 Domestic only

Have refrigeration fan motors been constructed under survey None and test certificates supplied -

Are the motors accessible for maintenance at all times Yes

None

Yes

ch. Y

No

Yes

None

None

Yes

Yes

le **Yes**

None

with

.....

E.N. Radio Maritima.

Yes

Yes

PARTICULARS OF GENERATING PLANT.

MAIN

GENERATOR CABLES.

MAIN C

MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.).

From

DISTRIBUTION CABLES (to Section-Boards and Distribution-Fuse-Boards, etc.).			
DATE	AMOUNT	REMARKS	APPROX.

FROM MAIN SWITCHBOARD TO:

MOTOR CABLES.

FROM MAIN SWITCHBOARD TO:

Note:-

Also there are installed on board about 4 small motors of 1 to 2 HP. for work shop service which have been considered as not important motors. Cables etc., for these motors comply with Rules requirements.

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.

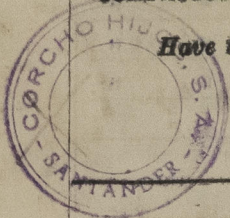


J. P. Martinez
DIRECTOR

Electrical Contractors.

Date 23/10/58

COMPASSES.



Have the compasses been adjusted under working conditions.

J. P. Martinez
DIRECTOR

Builder's Signature.

Date 23/10/58

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. "MIGUELIN POMBO"

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.) The electric installation has been fitted under Special Survey in accordance with approved plans or equivalent and Secretary's letters.

The materials and workmanship are good.

On completion all tests required by the Rules have been carried out with satisfactory results except N° 3 port aft generator set which was not tested under full power working conditions.

N° 3 port aft generator and generator driven by Main engine shaft are second hand generators supplied by the ship Owners.

A NOTICE was fitted on main switchboard stating that the generator driven by main engine shaft and N° 3 port aft generator must not be coupled to work in parallel.

This installation, in my opinion, is entitled to be classed in this Society subject to 20 Kw. Generator set (N° 3 port aft) being tested under working conditions with automatic voltage regulator.

Machine built 10.4.57 for 20 Kw. dynamo set for automatic voltage regulator.

Total Capacity of Generators 210 Kilowatts.

The amount of Fee ... Ptas. 13480 : When applied for,

19

When received,

19

Travelling Expenses (if any) £ :

J. P. Martinez
Surveyor to Lloyd's Register of Shipping.

Committee's Minute.

TUESDAY 11 NOV 1958

Assigned

See Rpt. 1



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Foundation