

11 MAR 1950

Rpt. 13.

No. 35307

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report **17.2.50** 19... When handed in at Local Office **MAR 10 1950** 19... Port of **Sunderland**

No. in Survey held at **Sunderland** Date, First Survey **9.II.49** Last Survey **13.2.50** 19...  
Reg. Book. (No. of Visits **12**)

on the **m.v. "FELIPES"**

Tons { Gross **2991**  
Net **1544**

Built at **Sunderland** By whom built **John Crown & Sons Ltd** Yard No. **230** When built **1950**

Owners **N.V. Nederlands Indonesische** Port belonging to **The Hague, Netherland**

Installation fitted by **Sunderland Forge & Engineering Co. Ltd** When fitted **1950**

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

Plans, have they been submitted and approved **yes** System of Distribution **2-wire.** Voltage of Lighting **110**

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**

if not compound wound state distance between generators **-** and from switchboard **-** Are the generators arranged to run

in parallel **no**, 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 **yes** and the results found as per Rule **yes**

Position of Generators **engine room sloor level, starboard side**

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 raised platform 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" matt finish**, 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, quick-break knife switch and fuses**

and the switch and fuse gear ~~(or circuit breakers)~~ for each outgoing circuit **as for generators**

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

ammeters **2** 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 **-** Earth Testing, state means provided **E.lamps**

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

make of fuses **"Zed"**, are all fuses labelled **yes** If circuit breakers are provided for the generators, at what

overload do they operate **-**, and at what current do the reversed current protective devices operate **-**

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule **yes**

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.v.**, 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, lavindries, etc., lead covered **yes** or run in conduit **-**

or of the "H.R." type **-** State how the cables are supported or protected **main cables along decks fore and**

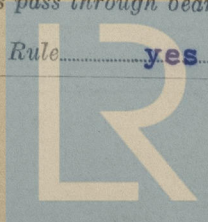
**aft in heavy quality steel pipe: In accommodation, lead-covered cables clipped to the**

**surface and protected where necessary by steel or wooden guards.**

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 **yes**



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Insulation Tests: 1. All insulation resistance of all circuits and components tested and found satisfactory. yes

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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.

Electrical Contractors.

Date 21/2/50

#### COMPASSES.

Have the compasses been adjusted under working conditions yes

Builder's Signature.

Date 22/2/1950.

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, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical equipment of this vessel has been installed under special survey in accordance with Section 15 of the "Rules For Electrical Equipment". The arrangements are in accordance with, or are the equivalent of those shown on the approved plans and an "as fitted" diagram of the circuits is attached to this report, showing the variations in the general layout. The materials and workmanship are good. On completion, satisfactory trials of the equipment were witnessed and the insulation resistance of all circuits was found good. This equipment is in my opinion suitable for a classed vessel.

Noted Encl 29/3/50

Total Capacity of Generators (2 x 20) 40. ✓ Kilowatts.

The amount of Fee ... £42.10.0 : When applied for,

MAR 10 1950

When received,

Travelling Expenses (if any) £ : 19

Surveyor to Lloyd's Register of Shipping.

FRI. 31 MAR 1950

Committee's Minute

Assigned Su F.E. nchly opt



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