

7 - NOV 1953

Rpt. 13.

No. 13909

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 29.10.53 When handed in at Local Office 30.10.53 Port of TRIESTE

No. in Survey held at TRIESTE Date, First Survey See Rpt. 4b Last Survey 5th Oct. 1953
Reg. Book.

(No. of Visits -)

35255 S on the Single Screw Motor Vessel "INDARI" Tons Gross 281

Built at TRIESTE By whom built Cantiere Navale Yard No. 34 When built 1953

Owners Indonesian Republic Port belonging to Djakarta

Installation fitted by Cantiere Navale Giuliano - San Giusto When fitted 1953

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

Plans, have they been submitted and approved yes System of Distribution two wire insulated Voltage of Lighting 110

Heating 110 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 yes 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 main engine room

One portside forward One starboardside forward

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 Bottom platform forward of main engine

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 dead front type, 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 three pole linked circuit breaker with overload current releases and reverse current release. Thrid pole/for equaliser.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit two pole linked 'Stotz' circuit breaker with overload current release

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 2 ammeters 3 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 with push button switch 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 Croci-Farinelli, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate 20%, and at what current do the reverse current protective devices operate 10% 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 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 yes, if so, are they adequately protected yes State type of cables (if in conduit this should also be stated) in machinery spaces lead covered steel galleys -do- and laundries - State how the cables are supported or protected lead covered steel braided cables clipped and supported as per Rules and through conduit where required.

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 -

+++ See Secretary's letter 31st July, 1952 re.: acceptance of 'Stotz' circuit breakers.

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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.

CANTIERE NAVALE GIULIANO SAN GIUSTO
Soc. a r. l.
Carandrupis

Electrical Contractors.

Date 30th Oct 1953

COMPASSES.

Have the compasses been adjusted under working conditions... yes

CANTIERE NAVALE GIULIANO SAN GIUSTO
Soc. a r. l.
Carandrupis

Builder's Signature.

Date 30th Oct 1953

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 M/V "INIS" & M/V "INTATA"

Plans. Are approved plans forwarded herewith... no If not, state date of approval 31st July 1952

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

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

The electric installation of this vessel has been fitted under Special Survey in accordance with or equivalent to Rule requirements and approved plans.

The workmanship and materials are good.

On completion the installation was tried under full working conditions, the insulation tested and all found satisfactory.

In my opinion this installation is eligible for full classification.

noted 98
25/11/53

Total Capacity of Generators 16 ✓ Kilowatts.

The amount of Fee ... £ 27 9. 0:

When received, 31/10/53

Car. fund 1. 10. 0

Travelling Expenses (if any) £ 1 15. 0:

When received, 19

Surveyor to Lloyd's Register of Shipping.

TUESDAY - 1 DEC 1953

Committee's Minute.

Assigned See Rpt. 40.



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