

Rpt. 13.

No. 35543^c

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

29 NOV 1952

Date of writing Report 28-10 1952 When handed in at Local Office 15-11 1952 Port of Rotterdam

No. in Survey held at Krimpen a/d Yssel Date, First Survey 4th Nov. 1950 Last Survey 18th Oct. 1952

eg. Book. (No. of Visits 17)

95246 on the MV "NYON"

Built at Krimpen a/d Yssel By whom built J. d. Giessen Yard No. 760 When built 10-'52

Owners SUISSE ATLANTIQUE, SOCIETE' DE NAVIGATION MARITIME S.A. Port belonging to BASLE

Installation fitted by NY. HANDELSCOMPAGNIE, ROTTERDAM When fitted 10-'52

Is vessel equipped for carrying Petroleum in bulk No 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 TWO WIRE INSULATED Voltage of Lighting 220

Heating 220 Power 220 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

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

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing Yes Have certificates of test for machines

under 100 kw. been supplied and the results found as per Rule Yes Position of Generators E.R. FLOOR Level

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 E.R. Floor level against

aft bulkhead

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 switchboard, 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 3 pole CB (one pole used for equaliser) with o/c

protection in twin poles and R/c protection in + pole. CB equipped with no volt coil

and preference tripping device

and the switch and fuse gear (or circuit breakers) for each outgoing circuit main circuits: 2-pole CB with o/c protection

in twin poles. Remainder circuits: 2-pole fuses and 2-pole circuit breakers

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 5

ammeters 4 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

indicating lamps Preference Tripping, state if provided Yes, and tested Yes at 110% FLC.

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

make of fuses G.E.C. without time lag 200% Generator FLC. If circuit breakers are provided for the generators, at what

overload do they operate with time lag 120% " and at what current do the reverse current protective

devices operate 15% Generator FLC Cables, are they insulated and protected as per Rule. Yes

otherwise than as per Rule are they of an Approved Type Yes, state maximum fall of pressure between bus bars and any point

under maximum load 66% 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 VC-LC and VIR-LC & MHB galleys VC-LC

d laundries — State how the cables are supported or protected Machinery spaces: LC or LCB MHB

able clipped to perforated plating or metal frame work Cargo holds: LC cable clipped to

sheet iron plating and protected by sheet iron covers. Accommodation spaces: LC cable

clipped to wood grounds or surface

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

Are refrigeration fan motors been constructed under survey — and test certificates supplied —

Are the motors accessible for maintenance at all times. —

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Lloyd's Register
Foundation

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

PARTICULARS OF GENERATING PLANT.

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.

HANDELS COMPAGNIE N.V.
ELECTROTECHNISCHE AFDELING

Electrical Contractors.

Date 24th Oct. 1952

COMPASSES.

Have the compasses been adjusted under working conditions yes

NAAMLOOZE VENNOOTSCHAP
C. VAN DER GIESSEN & ZONEN'S
SCHEEPSWERVEN

Builder's Signature.

Date 31 Oct 1952

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 No If not, state date of approval 14th JUNE 1951

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 electrical equipment of this vessel has been installed under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters and the approved plans or equivalent thereto. The materials used are of a good quality and the design and workmanship are good.

On completion this equipment has been tried under full working conditions and found satisfactory.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators 245 Kilowatts.

The amount of Fee ... £1. 052.- :

When applied for,

14-11-1951

Travelling Expenses (if any) £1. 84.- :

When received,

19

W. Hall (H. 51115)
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES 9 DEC 1952

Assigned Sir F. E. M. M. M. M. M.