

Rpt. 13.

No. 2056

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Waterhuizen Date, First Survey 14-9-59 Last Survey 23-10-1959
eg. Book.

(No. of Visits 8)

22107 on the m.s. "SOLVANTI"

Built at Waterhuizen By whom built Scheepswerven Gede. & Diepen H.V. Yard No. 954 When built 1959

Owners J. B. van Hooft Port belonging to Rijkswaterstaat

Installation fitted by Messrs Herman G. Bekels N.V. When fitted 1959

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 wire insulated 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, except MED driven generator (and vol. regulator) 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. Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule. yes

Position of Generators aux eng driven generator + M.F. driven generator in E.R. floor level, one harbour unit in fore-castle

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 in E.R. p.s. forward, i.e. platform level

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. D.P. combined switch and D.P. fuses for each generator

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. D.P. switches and fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. yes Instruments on main switchboard. 1

ammeters. 1 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

indicating lamps. Preference Tripping, state if provided. and tested.

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

make of fuses. Meber & Plasmeyen, 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 reverse current protective-devices operate. 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 6% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends.

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. H.R. type, galleys. H.R. type

and laundries. State how the cables are supported or protected. in E.R. clipped to perforated

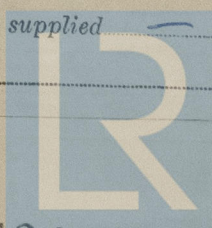
plating or surface, under floor plates in conduit, in acc. spaces: clipped to surface or wood grounds, in fore-castle: in conduit

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 effectually 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.



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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.

HERMAN G. EARELS N.V.

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions.

Yes

SCHIPS SWERVEN GEBR. VAN DIEËN N.V.

Builder's Signature.

Date

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.

10-8-'59

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 ship has been installed under special survey in accordance with the Society's Rules, Secretary's letters and approved plans.

The materials used are of a good quality and the design and workmanship are good.

On completion the equipment has been tried under full working condition and found satisfactory.

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

Total Capacity of Generators 20 Kilowatts.

The amount of Fee

£LS 100 =

When applied for,

30-11-1959

When received,

19

Travelling Expenses (if any)

£s 30.-

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRIDAY - 5 FEB 1960

Assigned

See Rpt. 1.