

ACCTS. 2/3
 ADMIN/F
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 REP Rpt. 13.

No. 11907

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

MONDAY 2 MAR 1959

Date of writing Report 24.2 19 59 When handed in at Local Office 19 Port of Stockholm

No. in Survey held at Gävle Date, First Survey 29.4.58 Last Survey 12.12 19 58
 Reg. Book. (No. of Visits 25)

90887 on the M/S "PAMIR" Tons Gross 1443 Net 420

Built at Gävle By whom built A/B Gävle Varv Yard No. 99 When built 12-1958

Owners U.S.S.R. Port belonging to Leningrad

Installation fitted by A/B Elektroarmatur, Gävle When fitted 12-1958

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 Yes

Plans, have they been submitted and approved Yes System of Distribution 3 phase Voltage of Lighting 220 V

Heating 220 V Power 380 V D.C. or A.C., Lighting AC Power AC If A.C. state frequency 50

Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes ~~Automatic emergency governing fitted~~

~~with trip switch~~ Generators, are they compound wound, and level compounded under running conditions

Are the generators arranged to run in parallel Yes ~~Inductor winding connected to the negative or positive 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 Main engine room: One on port

and one on starboard side aft. Aux. engine room: One on port, one in centre and one on 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 Main engine room: One on

platform, port side aft. Aux. engine room: on a platform at forward end.

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 construction if of synthetic insulating

material is of approved type ~~if of synthetic insulating material (state or make) 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 Triple pole linked circuit breaker with over current release

(in 2 phases) and reverse power release (in one phase) and no volt release (betw. 2 phases).

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Triple pole linked circuit breaker with over

current trip in each phase.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard ER: 6 off AER: 13 off

ammeters ER: 3 off ER: 2 off + 1 frequency meter on each switch board.

~~protection devices connected on the pole opposite to the equaliser connection~~ Earth Testing, state means provided 3 earth

lamps Preference Tripping, state if provided none fitted, and tested -

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

make of fuses ASEA: INR, are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate at 110 % amperes and 10 seconds, and at what ~~current~~ do the reverse ~~current~~ protective-

devices operate at 15% kw 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 none fitted

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 FDJF & FDFD, galleys Ditto

and laundries Ditto State how the cables are supported or protected Clipped to bulkheads or to

perforated plates.

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight

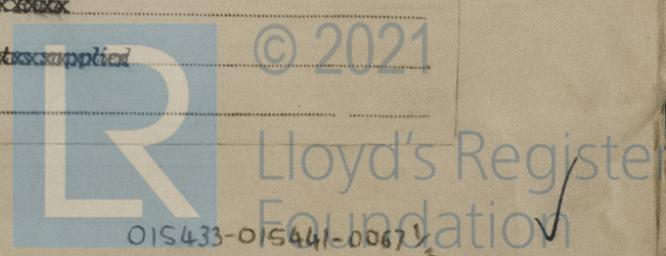
bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes

effectively bushed Yes ~~Refrigerated chambers, are the outlets and fittings as per Rule~~

~~Have certificates of test for motors been constructed under survey and test certificates supplied~~

~~Are all motors accessible for maintenance at all times~~

31 MAR 1959



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.

AB Elektro-Armatur

H. Sundström

Electrical Contractors.

Date 17/2 1959

COMPASSES.

Have the compasses been adjusted under working conditions

Aktiebolaget Gävle Varv

Sigurd Engström

Konstruktörskontoret

Builder's Signature.

Date 17/2 - 1959

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 2.5.58.

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 and tested in accordance with the Rules, approved plans and to our satisfaction and the workmanship is good.

Total Capacity of Generators 800 KVA ~~KVA~~ (P.F. = 0.8).

The amount of Fee ... £ 2,220:-- When applied for, 24.2. 1959

Travelling Expenses (if any) £ 7: When received, 19

J. M. Agner
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRIDAY 10 APR 1959

Assigned See App. 1.

5m.650 - Transfer. (MADE AND PRINTED IN ENGLAND) (The Surveyors are requested not to write on or below the space for Committee Minutes.)

17.3.59
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