

Rpt. 13.

No. 28246

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 9 January 1953 When handed in at Local Office 9 January 1953 Port of Antwerp
No. in Survey held at 5 amp / H (see 10 hrs working) Date, First Survey 4-9-52 Last Survey 6-12-52
Reg. Book. (No. of Visits 8)

on the M/V "GERRY S"

Built at Geeneusen By whom built Geeneusense Scheeps-Yard No. 54 When built 1952

Owners Port belonging to Bouw Maatschappij

Installation fitted by A. De HOOP N.V. When fitted 1952

Is vessel equipped for carrying Petroleum in bulk Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig. Radar

Plans, have they been submitted and approved Yes System of Distribution Two Wire Voltage of Lighting 110 V

Heating Power D.C. or A.C., Lighting DC Power 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

if not compound wound state distance between generators. Yes 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 Yes Have certificates of

test for machines under 100 kw. been supplied Yes and the results found as per Rule Yes

Position of Generators 1 flux driven PS Eng Room lower platform and 1 ME shaft driven PS after

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 1 separating ME room PS after

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 Perits

material is it an Approved Type if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule Yes Is the construction as per Rule, including locking of screws and nuts. Description of Main Switchgear

for each generator and arrangement of equaliser switches double pole tumbler switches

and the switch and fuse gear (or circuit breakers) for each outgoing circuit double pole tumbler switches

fuses of approved type

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 3 each

ammeters 3 voltmeters 3 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 lamps

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

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

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

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule Yes FROM MAIN SWITCHBOARD

Cables, are they insulated and protected as per Rule Yes, if 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 3 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 cable insulated

cables sealed at the ends Yes Are all the cable runs inaccessible 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 Yes Are cables in machinery spaces, galleys, lavatories, etc., lead covered Yes, or run in conduit

or of the "HR" type Yes State how the cables are supported or protected cable trays

Are all lead sheaths, armoured 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

Navigation Lamps, are they separately wired yes controlled by separate double pole switches and fuses yes Are the switches and fuses in a position accessible only to the officers on watch yes, is an automatic indicator fitted yes Is an alternative supply provided yes

state battery capacity in ampère hours 225 amper/h (in 10 hrs working)

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof yes

Are any fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present. No
if so, how are they protected. ✓

Searchlight Lamps, No. of one, whether fixed or portable fixed, are they of the carbon arc or of the filament type filament

accommodation of the convection type..... Motors, are all motors constructed and installed as per Rule and placed in well-ventilated compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil.....

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule. yes

Rule. ☒ Ships carrying Oil having a Flash Point less than 150° F. Have all the special requirements of the Rules for such ships been complied with ☒, are all fuses of an Approved Cartridge Type ☒, make of fuse ☒. Are the fittings for pump

E.S.D., if fitted state maker.....location of transmitter.....and receiver.....

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

DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				PRIME MOVER.	
			Kilowatts per Generator.	Volts.	Ampères.	Revs. per Min.	TYPE:	MAKER.
MAIN	1	Higgs	12	110	109	1200	driven by 2 cyl diesel motor (Lister)	
	1	Higgs	12	110	109	1000 / 1500	ME shaft driven	
EMERGENCY ...								
ROTARY								
TRANSFORMER								

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
		No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	12	1	70 m ²	109		8.5m	VIR	C.C. armoured
" " EQUALISER	12	1	70 m ²	109		13m	"	" "
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR ...								
" " GENERATOR...								

[illegible][illegible]

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.						
Lubricating oil pump	1	3	1	2 X 1 X 10 $\frac{1}{2}$ "	60	19 in	VIR	R.C. 60 in.
Oil fuel transfer pump	1	1	1	2 X 1.5 $\frac{1}{2}$ "	20	13 in	"	" "
Steering engine	1	4	1	2 X 1 X 10 $\frac{1}{2}$ "	60	18 in	"	" "
Steamline filter	1	5	1	2 X 1 X 16 $\frac{1}{2}$ "	60	22 in	"	" "
S.W. Cooling pump	1	4.3	1	2 X 1 X 10 $\frac{1}{2}$ "	60	18 in	"	" "

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.

Sectionboard A
Sectionboard B
Navigationboard
Nautical sectionboard

5 2 x 1 1/2 x 10
2 2 x 1 1/2 x 10
6 2 x 1 1/2 x 10
5 2 x 1 1/2 x 10

VIR. Lead covered CRK cable

Electrical Contractors. Date 14-1-53

COMPASSES.

Have the compasses been adjusted under working conditions.

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. *✓* If so, state name of vessel. *✓*

Plans. Are approved plans forwarded herewith. *✓* If not, state date of approval. *22 April 1952*

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 examined and tested in accordance with the Rule requirements and found satisfactory. The workmanship found to be of good quality.

Lubricating oil pump	1	3	1	2 x 1 x 10 1/2 bc	19 m	VIR	RC	Comm.
Oil fuel transfer pump	1	1	1	2 x 1,5 1/2 bc	13 m	"	"	"
Steering engine	1	4	1	2 x 1 x 10 1/2 bc	18 m	"	"	"
Steering motor	1	5	1	2 x 1 x 10 1/2 bc	22	"	"	"
S.W. Cooling pump	1	4,3	1	2 x 1 x 10 1/2 bc	16	"	"	"

Noted APR 11-53

Total Capacity of Generators. *24* Kilowatts.

The amount of Fee ...

fr

3500.-

When applied for,

27.2.1953

Travelling Expenses (if any) *fr*

1327.-

When received,

19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 10 APR 1953

Assigned

See F.E. mchly. rpt.