

28 AUG 1963

Rpt. 13

No. 25577

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 10-5-1963 When handed in at Local Office 27-5-1963 Port of Amsterdam

No. in Survey held at Haarlem Date, First Survey 12-2-1963 Last Survey 22-4-1963
Reg. Book (No. of Visits 9)

on the motor trawler "GASCOGNE" Tons Gross 450 Net

Built at Haarlem By whom built Haarlemsche Scheepsbouw Mij Yard No. 581 When built 5-63

Owners Armement Frédéric Port belonging to La Rochelle

Installation fitted by Messrs. Sterel & Wechgelaar of Zaandam When fitted 5-63

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 3 pole 3 wire: starpoint earthed Voltage of Lighting 127AC/110 DC

Heating - Power 220 D.C. or A.C. Lighting DC or AC Power AC If A.C. state frequency 50 cycles

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, and level compounded under working conditions

Are the generators arranged to run in parallel no Is the compound winding connected to the negative or positive pole

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

port forward and starboard forward in E.R.

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

port outboard in engine room (raised platform)

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 3 pole CIB with 110 Volt coil. O.L. relays

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 3 pole CIB with 110 volt coil & O.L. relays for

power & 2 pole CIB for lighting purposes or double pole switches & fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 2

ammeters 2 voltmeters - one frequency meter 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 None, and tested

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

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

overload do they operate thermal 125% In & direct magn. relay 300% and at what current do the reverse current protective

devices operate NA 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 than 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 BU - PCP - PVC sh, galleys BU - PCP - PVC sh

and laundries State how the cables are supported or protected

cables clipped to metal frame work and perforated steel plating in E.R. and to wood work and in PVC

tubes in cabins.

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

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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012042-012046-017012

Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule.....yes..... Emergency Supply, state position
Batteries on - 160 AH double ended

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

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule yes, Is an alternative supply provided yes
ampère hours 160 AH When necessary, state battery capacity in

Lighting, is fluorescent lighting fitted no If so, state nominal lamp voltage and compartments where lamps are fitted

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

Searchlights, No. of _____, whether fixed or portable _____, are they of the carbon arc or of the filament type _____.

Heating and Cooking, is the general construction as per Rule....., are they of the carbon arc or of the filament type....., are the frames effectually earthed....., are heaters in the accommodation of the convection type..... **Motors**, are all motors constructed and installed.....

compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil.....yes

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment. Yes Have motors of 100 HP and

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results of test recorded? ☒ Yes

Lightning Conductors, where required are they fitted as per Rule yes

Ships carrying Oil having a Flash Point of 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 _____

rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships. Are all cables lead covered as per Rule

U.S.D., if fitted state maker Co Maritime - Paris location of transmitter and receiver bridge - frame 32 Are all cables lead covered as per Rule

PARTICULARS OF GENERATING PLANT

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DESCRIPTION OF GENERATOR	No. of	MAKER	KVA	RATED AT			PRIME MOVER	
				Kw. per Generator	Volts	Ampères	Revs. per Min.	TYPE
MAIN	2	HANSA	20		220	52,5	1500	SG 393/4
EMERGENCY ... ROTARY TRANSFORMER								

GENERATOR CABLES

[illegible]

MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.)

DISTRIBUTION CABLES (to Section-Boards and Distribution-Fuse-Boards, etc.)

[illegible]

MOTOR CABLES

ALL IMPORTANT MOTORS TO BE ENUMERATED	No.	B.H.P.	MOTOR CABLES							
<u>From main switchboard</u>										
General service pump	1	5	1	3 x 2,5	14	18	8	BU	PCP	PVC sh
Bilge pump	1	5	1	3 x 2,5	14	18	8	"	"	" "
Lub. oil pump gearing	1	5	1	3 x 2,5	14	18	34	"	"	" "
" " " (standby)	1	5	1	3 x 2,5	14	18	34	"	"	" "
fuel transfer pump	1	5	1	3 x 2,5	14	18	34	"	"	" "
ventilator E.R.	1	2	1	3 x 1,5	6,5	14	34	"	"	" "
air compressor	1	5	1	3 x 2,5	14	18	7	"	"	" "
refrigerating compr.	2	5	1	3 x 2,5	14	18	26	"	"	" "
aux. S.W. cooling pump	1	1½	1	3 x 1,5	5,4	14		"	"	" "
steering motor	1	0,5	1	3 x 1,5	2	14		"	"	" "
<u>From battery or shore connection :</u>										
hydrofore pump	1	0,5	1	2 x 1,5	1,5	17	31	"	"	" "
central heating	1	0,5	1	2 x 1,5	1,5	17	28	"	"	" "

NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient

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.

STEREL & WECHGELAAR
ELECTRO-TECHN. INDUSTRIE N. V.
ZAANDAM

Electrical Contractors.

Date 29-5-63

COMPASSES

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

N. V. Nederlandsche Scheepsbouw Maatschappij

Builder's Signature.

Date 3-5-1963

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.....

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 or equivalent thereto.

The materials and workmanship are good.

On completion the equipment has been tested under full working conditions with satisfactory results.

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

Total Capacity of Generators..... 40 KVA Kilowatts.

The amount of Fee ... f 315,- When applied for, 23-8-1963

Travelling Expenses (if any) f. 91,50: When received, 19

Surveyor to Lloyd's Register of Shipping
J.C. Karelse.

Committee's Minute..... FRIDAY 20 SEP 1963

Assigned..... Su Rpt 1