

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 28-11-1960. When handed in at Local Office 19 Port of ROTTERDAM.

No. in Survey held at Zaltbommel Date, First Survey 27-4-60 Last Survey 24.11.19 60  
Reg. Book (No. of Visits 10)

on the m.s. "GOLDEN COMET" Tons { Gross 1279.52  
Net 665.49

Built at Zaltbommel By whom built N.V. Scheepswerf "De Waal" Yard No. 670 When built 1960

Owners Bonny Shipping Co. Ltd. Port belonging to Guernsey

Installation fitted by H.G. Eekels N.V., Hoogezaand When fitted 1960.

Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. yes E.S.D. yes Gy.C. --- Sub.Sig. --- Radar yes

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

Heating 220 Power 440 D.C. or A.C. Lighting A.C. Power A.C. If A.C. state frequency 60 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 yes 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 PS & stbd. side E.R.

and 1 generator on platform E.R. stbd. - harbour generator in top 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 ps & stbd. side E.R.

1st platform forward

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. triple pole C/B's with thermal O.L. & U.V. relays

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. triple pole switches & fuses for power & double pole switches and fuses on lighting distr. fuse boxes.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 7 rev. power protection fitted

ammeters 3 voltmeters 2 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 lamps

Preference Tripping, state if provided 110 % nom. KW, and tested yes

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

make of fuses Weber, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate thermal O/L relay + 125 % & direct magn. relay, and at what current do the reverse current protective devices operate - 10 % Nom. 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 under 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 Butyl insulated HR type Bi. HR type

and laundries --- State how the cables are supported or protected

Machinery spaces: clipped to steel trays by steel plates protected or in pipe.

Accomm. spaces: clipped to wooden grounds or in P.V.C. conduit

Are all lead sheaths, armouring and conduits effectually bonded and earthed --- 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 yes and test certificates supplied yes

Are the motors accessible for maintenance at all times yes

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

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. EEKELS N.V.

Electrical Contractors.

Date.....

#### COMPASSES

Have the compasses been adjusted under working conditions. yes

SCHEEPSWERF "DE WAAL" 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. Secr. letter 29.8.1960

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 conformity with the Society's Rules and  
Regulations and in accordance with the Secretary's Letter and  
the approved plans or equivalent thereto.

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

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

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

Total Capacity of Generators. 300 Kilowatts.

The amount of Fee ... £ F1.783 :

When applied for,

14 DEC 1960

When received,

19

Travelling Expenses (if any) £ 233.-

Surveyor to Lloyd's Register of Shipping  
F.N. Nooteboom.

FRIDAY 17 FEB 1961

Committee's Minute.....

Assigned.....

See Rpt. 1.