

20 JAN 1960

Rpt. 13.

No. 116756

/NK

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.

NEWCASTLE-ON-TYNE.

Date of writing Report 14.12. 19 59 When handed in at Local Office Jan. 15th. 1960. Port of

No. in Survey held at Wallsend on Tyne Date, First Survey 4.12.59 Last Survey 14.12. 19 59 (No. of Visits 2)

Reg. Book.

Tons { Gross.....
Net.....

on the m.v. "QUEENSGATE"

Built at Wallsend on Tyne By whom built Clelands Shipbuilding Co. Ltd. Yard No. 239 When built 1959

Owners Hull Gates Shipping Co. Ltd. Port belonging to Goole British

Installation fitted by The Humber Electrical Engineering Co. Ltd. When fitted 1959

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar Yes

Plans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting 24

Heating - Power - D.C. or A.C., Lighting D.C. 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 C.A.V. Auto.Reg. with a trip switch - Generators, are they compound wound Yes, 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 Double shunt

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 in engine room

1 - starbd. side ford shaft driven generator port side aft.

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 engine room on port side

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 Double pole switch and fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole switch and fuses

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

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

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 Artic, 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 Butyl, 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 No, if so, are they adequately protected - State

type of cables (if in conduit this should also be stated) in machinery spaces Butyl & HRB Type, galleys -

and laundries - State how the cables are supported or protected clipped to tray, woodwork or

metalwork protected by plating where necessary.

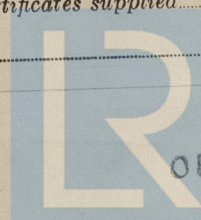
Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight

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 -

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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26.1.4

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.	
			Kw. per Generator.	Volts.	Ampères.	Revs. per Min.	TYPE.	MAKER.
MAIN ...	2	C.A.V.	1	24	41.7	1500	Diesel	Blackstone
EMERGENCY ...								
ROTARY								
TRANSFORMER								

[illegible][illegible][illegible]

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.

for
The HUMBER ELECTRICAL ENGINEERING Co. Ltd

S. H. Stoddard

Man. Director

Electrical Contractors.

Date 30/12/59

COMPASSES.

Have the compasses been adjusted under working conditions.

Yes

FOR AND ON BEHALF OF
CLELANDS (SHIPPING) LIMITED.

Bace

Builder's Signature.

Date 4/1/60

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 -

No required for

Plans. Are approved plans forwarded herewith. Yard No. 245 If not, state date of approval - 26.11.59.

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 vessel has been fitted on board under Special Survey, seen under working conditions and all found to be satisfactory.

The materials and workmanship are good.

The equipment as installed is suitable in my opinion for a class ship.

Total Capacity of Generators. 2 Kilowatts.

The amount of Fee ... £ 10 : 0 : 0

When applied for,

19 JAN 1960

When received,

19

Travelling Expenses (if any) £ :

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

Committee's Minute FRIDAY 19 FEB 1960

Assigned

See Rpt. 1