

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19/6/64. 19 When handed in at Local Office 196 JUN 1964 19 Port of HULL.

No. in Survey held at Thorne. Date, First Survey 16 4 64 Last Survey 26 5 19 64  
Reg. Book (No. of Visits 3)on the Dumb Oil Barge F.P. above 150° F. "P.A.S. 1404" Tons { Gross  
Net

Built at Thorne. By whom built Richard Dunston, Ltd. Yard No. T.1147 When built 1964. 5

Owners The Admiralty. Port belonging to Bath.

Installation fitted by Richard Dunston, Ltd. When fitted 1964.

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

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

Heating None. Power None 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 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 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 Position of Generators NONE FITTED.

Batteries only with no means of charging on board.

is the ventilation in way of generators satisfactory are they clear of inflammable material and protected from mechanical injury and

damage from water, steam and oil Switchboards, where are main switchboards placed Main battery cut out

switches on battery box under wheelhouse. All light switches in wheelhouse. Cargo pump

Engine batteries in pump house on deck.

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 - 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 Description of Main Switchgear

for each generator and arrangement of equaliser switches

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

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

ammeters 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 -

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 Arctic, 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, state maximum fall of pressure between bus bars and any point

under maximum load 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 PVC in galvanised conduit, galleys -

and laundries - State how the cables are supported or protected In conduit clipped to steelwork.

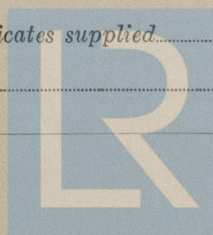
Are all lead sheaths, armouring and conduits effectually bonded and earthed Good Are all cables passing through decks and watertight

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

effectively bushed 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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Lloyd's Register  
Foundation

014532-24545-0051



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.

PER PRO. RICHARD DUNSTON, LTD  
*R Dunston*

Electrical Contractors.

Date 11.6.64

#### COMPASSES

Have the compasses been adjusted under working conditions..... No Compass fitted.

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..... YES. If so, state name of vessel 'P.A.S.1401', 'P.A.S.1402' & 'P.A.S.1403'.

Plans. Are approved plans forwarded herewith..... No. If not, state date of approval 30/10/63.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith..... None.

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

The electrical equipment of this barge has been installed under  
Special Survey in accordance with the Approved plans,  
Secretary's letter and the Rules.

The materials and workmanship are good.

On completion the equipment was examined under working  
conditions, the insulation resistance of all circuits and  
apparatus measured and all found good.

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

Total Capacity of Generators..... None fitted. Kilowatts.

The amount of Fee ...	£ See:	:	When applied for,
	Rpt.1	:	19
	attached.	:	
Travelling Expenses (if any) £	:	:	When received,
		:	19

*Sh. H. H. H.*  
Surveyor to Lloyd's Register of Shipping

Committee's Minute

FRIDAY 14 AUG 1964

Assigned. See Rpt. 1