

7 OCT 1953

13.

No. 80907

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 10 9 53 When handed in at Local Office 17 9 53 Port of Shogou

Survey held at Reafren Date, First Survey 26 11 52 Last Survey 10 9 53

Book. 5249 on the R.F.A. "EODYPRECK" Tons {Gross 2300

Yard No. 1124 When built 1953

By whom built Lobutz & Co Ltd Port belonging to (British)

Installation fitted by J. Charters When fitted 1953

Is vessel equipped for carrying Petroleum in bulk Yes 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 Two wire Voltage of Lighting 110

Rating 220 Power 220 D.C. or A.C., Lighting DC Power DC If A.C. state frequency -

Time Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted Yes

Generators, are they compound wound Yes, and level compounded under working conditions Yes

Are the generators arranged to run in parallel Yes Is the compound winding connected to the negative or positive pole Negative

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing - Have certificates of test for machines Yes

Under 100 kw. been supplied and the results found as per Rule Yes Position of Generators 60 kw sets forward end of

machinery space, port and starboard sides; 15 KW M.C. sets, one on platform port side

at end of machinery space, one in emergency generator room.

Is the ventilation in way of generators satisfactory Yes Are they clear of inflammable material and protected from mechanical injury and Yes

Damage from water, steam and oil Yes Switchboards, where are main switchboards placed 220 volt board forward

end of machinery space, 110 volt board aft end machinery space.

Are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, Yes

Steam and oil Yes, what insulation is used for the panels Mac-rod construction. Circuit

Material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as breakers on bakelite panels.

per Rule - Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear 60kw generators. triple pole circuit breakers with

overload and reverse current types; 15 KW generators. double pole change-over switches and fuses.

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

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

Ammeters 3 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current Yes

protection devices connected on the pole opposite to the equaliser connection Yes Earth Testing, state means provided Earth lamps

Preference Tripping, state if provided No, and tested -

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

Make of fuses English Electric (M) are all fuses labelled Yes If circuit breakers are provided for the generators, at what Yes

overload do they operate 150% full load, and at what current do the reverse current protective 15% full load

devices operate 15% full load Cables, are they insulated and protected as per Rule Yes

otherwise than as per Rule are they of an Approved Type -, state maximum fall of pressure between bus bars and any point Yes

under maximum load Less than 10 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends Yes

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical Yes

damage Yes, are any cables laid under machines or floorplates Yes, if so, are they adequately protected Yes State Yes

type of cables (if in conduit this should also be stated) in machinery spaces VAC, VACSWA, VAPAC, galleys. VAPAC

in laundries - State how the cables are supported or protected Machinery spaces :: 16 or 10A cables clipped to steel tray.

Accommodation :: 16 cables clipped to steel tray or steel structure.

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

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

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 -



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.

*J. Craster* Electrical Contractors. Date 10<sup>th</sup> Sept 53

COMPASSES.

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

For **LOBNITZ & CO., LIMITED** Builder's Signature. Date 15<sup>th</sup> Sept 1953

Have the foundations and schedules been verified and found correct... Yes

Is this installation a duplicate of a previous case... No If so, state name of vessel NB! Similar to RFA Eddycliff.

Plans. Are approved plans forwarded herewith... No If not, state date of approval 1.1.53 and 8.1.53

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 installation now fitted has been installed under special survey in accordance with the Rules for Electrical Equipment and approved plan; it has been tested under working conditions and found satisfactory.  
 The materials and workmanship are good.*

Total Capacity of Generators 180. Kilowatts.

The amount of Fee ... £ 69 : - : When applied for, 6 OCT 1953  
 Specification fee £ 69 : - : When received, 10  
 Travelling Expenses (if any) £ : : 10

*J. Rowntree*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 6 OCT 1953

Assigned SEE ACCOMPANYING MACHINERY REPORT.

*9 Mkt  
 19/9/53*

*X. Row  
 13.10.53*

3011251 - Transfer. (MADE AND PRINTED IN ENGLAND.)  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

