

Rpt. 13

No. FE-2021

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 14th July 1962 When handed in at Local Office 19 Port of SHIMONOSEKINo. in Survey held at Hiroshima, Japan Date, First Survey 3rd April, '62 Last Survey 26th June 62
Reg. Book (No. of Visits 19)on the "ML(S) 813" Tons 110.51
Gross 110.51
Net 34.01Built at Hiroshima, Japan By whom built Kanawa Dockyard Co., Ltd. Yard No. K-129 When built 6-1962Owners M.M. Dept. Government of the Union of Burma Port belonging to RangoonInstallation fitted by Kanawa Dockyard Co., Ltd. When fitted 6-1962Is 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 NoPlans, have they been submitted and approved Yes System of Distribution Two wire insulated Voltage of Lighting 110V.Heating - Power 110V D.C. or A.C. Lighting D.C. Power D.C. 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 fittedwith a trip switch - Generators, are they compound wound Yes, and level compounded under working conditions YesAre the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole NegativeHave machines 100 kw. and over been inspected by the Surveyors during manufacture and testing None Have certificates of test for machinesunder 100 kw. been supplied and the results found as per Rule Yes Position of Generators Engine Room port side forwardis the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury anddamage from water, steam and oil Yes Switchboards, where are main switchboards placed Engine Room forward centre

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 Synthetic resin bonded board, if of synthetic insulatingmaterial is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom asper Rule - Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgearfor each generator and arrangement of equaliser switches Two pole air circuit breaker with over current tripand the switch and fuse gear (or circuit breakers) for each outgoing circuit Two pole knife switch with fuseAre compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 1ammeters 1 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse currentprotection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided Two lampsin series with mid point earthed Preference Tripping, state if provided -, and tested -Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yesmake of fuses Utsumiya Electric Mfg., Co., Ltd., are all fuses labelled Yes If circuit breakers are provided for the generators, at whatoverload do they operate 150% - 18.5 sec. 300% - instantaneous, and at what current do the reverse current protectivedevices operate - Cables, are they insulated and protected as per Rule Yesif otherwise than as per Rule are they of an Approved Type -, state maximum fall of pressure between bus bars and any pointunder maximum load 4V volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends None

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 Statetype of cables (if in conduit this should also be stated) in machinery spaces D.R.H.R.C. & S.R.H.R.C., galleys D.R.H.R.C.and laundries - State how the cables are supported or protected Clipped to steel hangers steel

tray, structural steel or wood work, protected by heavy steel tube where necessary.

Are all ~~rod sheaths~~ armoured and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertightbulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holeseffectively 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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Lloyd's Register
Foundation

012925-012932-0219 1/2

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

N.B.: HR - Polychloroprene sheath.
C - Steel wire braid armour.

ALL IMPORTANT MOTORS TO BE ENUMERATED	No.	B.H.P.						
Windlass	1	5	1	0.0225	42	46	50	R HRC
G.S. & fire pump	1	5	1	0.0225	42.7	46.	33	" "
Engine room vent.fan	1	1	1	0.007	9	24	24	" "
" " " "	1	1	1	0.007	9	24	40	" "
Fresh water pump	1	1/2	1	0.007	4.2	24	12	" "

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.

A. Yamase
Kanawa Dockyard Co., Ltd.

Electrical Contractors.

Date 10th July, 1962

COMPASSES

Have the compasses been adjusted under working conditions

No

A. Yamase
Kanawa Dockyard Co., Ltd.

Builder's Signature.

Date 10th July, 1962

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

Yes

If not, state date of approval

14-12-1961

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 installed under Special Survey in accordance with the Rules and approved plans, tested on board under working condition and found satisfactorily.

The materials and workmanship are sound and good.

Total Capacity of Generators Kilowatts.

The amount of Fee ... £
See Rpt. 4b No. FE20 21

When applied for,

LONDON

When received,

Travelling Expenses (if any) £

19

C.G. Allen

J. Nonomura

Surveyor to Lloyd's Register of Shipping
C.G. Allen & J. Nonomura

FRIDAY 28 SEP 1962

Committee's Minute

Assigned

See Kob 1864-1