

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 6th June 1958 When handed in at Local Office 8.7.1958 Port of Glasgow

No. in Survey held at Grangemouth Date, First Survey 22.4.58 Last Survey 13-5-1958
g. Book. (No. of Visits 3)

43875 on the M.V. "Fred Eward" Tons Gross 1542 Net

Built at Grangemouth By whom built Grangemouth Dockyard Yard No. 514 When built 1958
Co. Ltd.

Owners Messrs F. L. Eward & Sons Ltd. Port belonging to LONDON

Installation fitted by Grangemouth Dockyard Co Ltd When fitted 1958

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

Plans, have they been submitted and approved Yes System of Distribution Two wire insulated Voltage of Lighting 220

Heating 220 Power 220 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 fitted

with a trip switch No 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 No Have certificates of test for machines

under 100 kw. been supplied and the results found as per Rule Yes Position of Generators 2-50 KW Generators

E/R Start 1-25 KW Generator, E/R Port

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 On raised platform

E/R port aft.

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 Syndano if of synthetic insulating

material is it an Approved Type Yes if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as

per Rule No 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 T.P. Circuit breaker with 1/2 and 1/4 protection

Third pole is used as equaliser connection

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. Circuit breakers with 1/2 protection

D.P. Rotary switches and fuses & D.P. Knife 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

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 Arctic and GEC are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 150% FL CURRENT and at what current do the reverse current protective

devices operate 15% F.L. CURRENT Cables, are they insulated and protected as per Rule Yes

if otherwise than as per Rule are they of an Approved Type No state maximum fall of pressure between bus bars and any point

under maximum load <6% B.B. 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 V.C.L.C. VRI LC galleys VRI LC

and laundries State how the cables are supported or protected Clipped on perforated steel

trays, Clipped on metal or wood framework, run in pipes or conduit.

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

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

Lloyd's Register
Foundation

The foregoing is a correct description.

Electrical Contractors.

Date _____

COMPASSES.

THE GRANGEMOUTH DOCKYARD COY. LTD.

Have the compasses been adjusted under working conditions.

Builder's Signature.

Date _____

YES

Is this installation a duplicate of a previous case. YES If so, state name of vessel.

YES

If so, state name of vessel

M.V. "SANGUITY"

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

No

If not, state date of approval

10-7-56

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.)

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.) The electrical installation has been fitted on board under special survey, tested under working conditions and found satisfactory. The material and workmanships are good.

[Faint, illegible handwritten notes or bleed-through from the reverse side of the page.]

Total Capacity of Generators 125 Kilowatts

The amount of Fee ... £ 60 : 15 ✓

When applied for,

12 AUG 1958

When received,

Travelling Expenses (if any) £ 1 : 2

18

L. P. Brown

Surveyor to Lloyd's Register of Shipping.

Committee's Minute.

GLASGOW

12 AUG 1958

SEE ACCOMPANYING MACHINERY REPORT

Assigned.

5m, 6.56 - Transfer. (MADE AND PRINTED IN ENGLAND)

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