

3.1 MAR 1954

Rpt. 13.

No. 81616

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 6-3-1954 When handed in at Local Office 25-3-1954 Port of GLASGOW

No. in Survey held at GLASGOW, PORT GLASGOW Date, First Survey 21st Dec. 1953 Last Survey 3rd March 1954
Reg. Book. & GREENOCK (No. of Visits 15)35963 on the M. V. "DAVANGER" Tons { Gross 11826.54
Net 6483.07

Built at PORT GLASGOW By whom built LITHGOWS LTD Yard No. 1079 When built 1954

Owners WESTFAL-LARSEN & CO A/S Port belonging to BERGEN

Installation fitted by THE SUNDERLAND FORGE & ENGINEERING CO. LTD. When fitted 1954

Is vessel equipped for carrying Petroleum in bulk YES Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. — Radar YES

Plans, have they been submitted and approved YES System of Distribution Two wire Voltage of Lighting 110

Heating 110 Power 110 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 — 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 YES Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule YES Position of Generators Port and starboard

sides, forward end of engine room.

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 platform,

starboard side, forward engine room bulkhead.

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 "Sindanyo" 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 — 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 Triple pole circuit breakers, fitted with

overload, reverse current and undervoltage trips.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole circuit breaker fitted with
overload trips, or double pole knife switch and cartridge fuses.

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

ammeters. Three 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 Siemens "Zed", are all fuses labelled YES If circuit breakers are provided for the generators, at what

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

devices operate 10-15% Full load current 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 under 6% B.B. 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

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 LCB & LCAB, galleys LC & LCB

and laundries LC State how the cables are supported or protected Machinery spaces LCAB

cables clipped to steel plate, perforated tray or steelwork. Mains LCAB cables

clipped to steel plate or perforated tray. Accommodation LC cables clipped

to woodwork.

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 Domestic Refrig only

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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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. THE SUNDERLAND FORGE & ENG. CO. LTD.,

Electrical Contractors.

Date 15.3.54.

J. C. Slank
DIRECTOR.

COMPASSES.

Have the compasses been adjusted under working conditions

Yes

LITHGOWS LIMITED.

D. Cunningham
Director.

Builder's Signature.

Date 19th March, 1954.

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 No If not, state date of approval

4-11-1953

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 of this vessel has been fitted on board under Special Survey, tested under working conditions and found satisfactory. The quality of materials and workmanship is good.

Total Capacity of Generators 375 Kilowatts.

The amount of Fee ... £ 98 : 5 : 0

1/5th to Liverpool £ 19 : 13 : 0

4/5th to Glasgow £ 78 : 12 : 0

Travelling Expenses (if any) £ 1 : 18 : 6

Glasgow.

Fred B. Mort
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 30 MAR 1954

Assigned See Guk. F.E. Mch. Rpt. 25109



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