

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

NOV -1 1940

Date of writing Report 7th Oct. 1940, When handed in at Local Office 18th Oct. 1940, Port of Marseilles

No. in Survey held at South Bank-on-Sus Date, First Survey 28th Aug. Last Survey 7th Oct. 1940, Reg. Book. Supp.

89967 on the S.S. "STUART PRINCE" Tons { Gross 1911 Net 919

Built at South Bank-on-Sus By whom built Smith's Dock Co., Ltd. Yard No. 1069 When built 1940

Owners Parnice Line, Ltd. Port belonging to London

Electrical Installation fitted by Richard Pickering &amp; Sons, Ltd. Contract No. 1069 When fitted 1940

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

Have plans been submitted and approved Yes System of Distribution Double wire Voltage of supply for Lighting Yes

Heating Power Yes Direct Alternating Current, Lighting Yes Power Yes If Alternating Current state frequency Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Yes Are turbine emergency governors fitted with a

trip switch as per Rule Generators, are they compound wound Yes, are they level compounded under working conditions Yes

if not compound wound state distance between generators and from switchboard Where more than one generator is fitted are they

arranged to run in parallel No, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Positive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing Have certificates of

test for machines under 100 kw. been supplied Yes and the results found as per rule Yes Are the lubricating arrangements and the construction

of the generators as per rule Yes Position of Generators Engine room starboard side

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes, if situated

near unprotected combustible material state distance from same horizontally and vertically are the generators protected from mechanical

injury and damage from water, steam and oil Yes, are the bedplates and frames earthed Yes and the prime movers and generators in metallic

contact Yes Switchboards, where are main switchboards placed Engine room starboard side on

aft bulkhead near generators

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

and oil Yes, if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

material is used for the panels Slate, 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 Yes Is the frame effectually earthed Yes

Is the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fuses

to pilot and earth lamps, voltmeters, etc., Yes locking of screws and nuts Yes, labelling of apparatus and fuses Yes, fuses on the "dead"

side of switches Yes Description of Main Switchgear for each generator and arrangement of equaliser switches Double pole

double throw knife switch and double pole fuse

and for each outgoing circuit Double pole knife switch and double pole fuse

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

ammeters Two voltmeters synchronising devices For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Earth Testing, state means provided E lamps connected to E through two fuses



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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.

RICHARD PICKERSGILL & SONS, LTD.

Electrical Engineers.

Date 10th Oct. 1940

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass 44 feet

Minimum distance between electric generators or motors and steering compass 40 feet

The nearest cables to the compasses are as follows:—

A cable carrying 14 Ampères on the feet from standard compass 7 feet from steering compass.

A cable carrying 14 Ampères 7 feet from standard compass on the feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power 7/10

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted 7/10

The maximum deviation due to electric currents was found to be 1/2 degrees on Every course in the case of the standard compass, and 1/2 degrees on Every course in the case of the steering compass.

FOR SMITH'S DOCK CO. LTD.

C. E. Hunter.

Builder's Signature.

Date 12-10-40

Is this installation a duplicate of a previous case 7/10 If so, state name of vessel 'Norman Prince'

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.) The electrical

equipment of this vessel has been fitted out under special survey. The materials used and the workmanship are good. On completion the equipment was run under working conditions with satisfactory results, the governing, regulation and compounding of the generating sets were tested, the insulation resistance of all circuits was measured and the spare gear was examined. This equipment is in my opinion suitable for a closed vessel.

Noted.

L.H. 4/11/40

Total Capacity of Generators 17 + 12 (0.4) Kilowatts.

The amount of Fee ... £ 16 : 0 : When applied for, 28-9-19.40

Travelling Expenses (if any) £ : : When received, 5-12-19.40

Gautier

Surveyor to Lloyd's Register of Shipping.

Committee's Minute THE 5 NOV 1940

Assigned See Mdb JE 16917