

Rpt. 13.

No. 4080

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

30 JUN 1941

Received at London Office.

Date of writing Report.....19..... When handed in at Local Office.....19..... Port of GALVESTON

No. in Survey held at Hamburg Date, First Survey..... Last Survey 17/4/1941  
Reg. Book. Gen. Exam. Galveston, (Number of Visits.....)83569 on the Linn E. "MT. SKANDINAVIA" Tons { Gross 10044  
Net 5786

Built at Hamburg By whom built Deutsche Werf AG Yard No. 231 When built 1939

Owners The Lesco Co (Norway) A.S. Port belonging to Oslo

Electrical Installation fitted by A. E. G. Contract No. - When fitted 1940

Is vessel fitted for carrying Petroleum in bulk Les 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 Two wire Voltage of supply for Lighting 110

Heating 110 Power 110 Direct or Alternating Current, Lighting Direct Power Direct 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 -

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

- Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing None Have certificates of

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

of the generators as per rule Yes Position of Generators Engine Room Floor, Port side forward

- 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 on port side of bulkhead, forward

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 Marble, 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 -

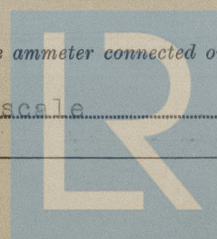
Circuit breaker with overload trip

and for each outgoing circuit Double pole change over switch and a fuse on each pole

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

2 Rheostats  
ammeters 2 voltmeters 2 synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection - Earth Testing, state means provided voltmeter with Ohm. scale

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PARTICULARS OF GENERATING PLANT.

30 JUN 1940

## GENERATOR CABLES.

MAIN DISTRIBUTION CABLES.

LIGHTING AND HEATING, ETC., CABLES.

### MOTOR CABLES.

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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.

Electrical Engineers.

Date

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

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

A cable carrying ..... Ampères ..... feet from standard compass ..... 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 ..... Stated to have been satisfactorily adjusted and tested at sea trials.

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

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

Builder's Signature.

Date

Is this installation a duplicate of a previous case ..... Yes (?) ..... If so, state name of vessel "Nueva Granada"

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

Galveston, November, 1940. - The above electrical installation has been generally examined and tested under working conditions. So far as seen the workmanship and materials are good and the installation in accordance with the Society's Rules.

Total Capacity of Generators ..... 90 ..... Kilowatts. 90.

The amount of Fee ... .. £	:	:	When applied for,
			.....19.....
Travelling Expenses (if any) £	:	:	When received.
			.....19.....

Surveyor to Lloyd's Register of Shipping.

hm Kenne

TUE. 29 JUL 1941

Committee's Minute

Assigned

See Gal JE 4080