

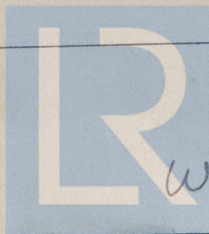
REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 5/8 1925 When handed in at Local Office 10 Port of Copenhagen
 No. in Survey held at Nakskov Date, First Survey 3/3 25 Last Survey 15/4 1925
 Reg. Book. 26537 on the Swedish motor vessel "MALINI" (Number of Visits.....)
 Built at Nakskov By whom built Nakskov Skibsværft Yard No. 24 Tons { Gross 1278
 Net 788.13
 Owners The Ham Steen Navigation Company Ltd Port belonging to Bangkok When built 1925
 Electric Light Installation fitted by Nakskov Skibsværft Contract No. When fitted 1925

System of Distribution 2 conductor insulated system
Pressure of supply for Lighting 110 volts, **Heating** volts, **Power** 220 volts.
Direct or Alternating Current, Lighting direct **Power** direct
 If alternating current system, state frequency of periods per second
 Has the **Automatic Governor** been tested and found efficient when the whole load is suddenly thrown on or off yes
Generators, do they comply with the requirements regarding overload yes, are they compound wound yes except auxiliary gen. for lights
 are they over compounded 5 per cent. yes, if not compound wound state distance between each generator
 Where more than one generator is fitted are they arranged to run in parallel yes except auxiliary gen. for lights, is an adjustable regulating resistance fitted in series with each shunt field yes
 Are all terminals accessible and clearly marked yes, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited yes Are the lubricating arrangements of the generators as per Rule yes
Position of Generators in the motor room
 is the ventilation in way of the generators satisfactory yes, are they clear of all inflammable material yes
 if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators and , are the generators protected from mechanical injury and damage from water, steam or oil yes
 are their axis of rotation fore and aft yes
Earthing, are the bedplates and frames of the generating plant efficiently earthed yes are the prime movers and their respective generators in metallic contact yes
Main Switch Boards, where placed in the motor room
 If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard yes
Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes yes
 are they protected from mechanical injury and damage from water, steam or oil yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards and
 are they constructed wholly of durable, incombustible non-absorbent materials yes, is all insulation of high dielectric strength and of permanently high insulation resistance yes, if semi-insulating material is used, are all conducting parts connected to one pole insulated from the slab with mica or micanite and the slab similarly insulated from its framework yes, and is the frame effectively earthed yes Are the following fittings as per Rule, viz.:— spacing or shielding of live parts yes, accessibility of all parts yes, absence of fuses on back of board yes, proportion of omnibus bars yes, individual fuses to voltmeter, pilot or earth lamp yes, connections of switches yes
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches For each main generator: 24 pole circuit breaker w. overload & reverse current trip and a single pole equalizer switch. For light generator: 24 pole linked switch and a fuse in each pole. Outgoing circuits: 2 single pole switches and a fuse in each pole.
Instruments on main switchboard 4 ammeters 3 voltmeters synchronising device for paralleling purposes.
Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system 2 earth lamps and an Ohmmeter
Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes
Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



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W458-0046 (112)

If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office.....✓

All Conductors are of annealed copper conforming to British Standard Specification No. 7.

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

AKTIESELSKABET
NAKSKOV SKIBSVÆRFT

Electrical Engineers.

Date

7th Aug. 1925

COMPASSES.

Distance between electric generators or motors and standard compass... ca. 53'

Distance between electric generators or motors and steering compass... ca. 50'

The nearest cables to the compasses are as follows:—

A cable carrying 0.14 Ampères 7" feet from standard compass 7" feet from steering compass.

A cable carrying 10 Ampères 6.3 feet from standard compass 4.3 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. *yes.*

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

The maximum deviation due to electric currents was found to be 0 degrees on any course in the case of the standard

compass, and 0 degrees on any course in the case of the steering compass.

AKTIESELSKABET
NAKSKOV SKIBSVÆRFT

Builder's Signature.

Date

7th Aug. 1925

Is this installation a duplicate of a previous case *No* If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Electric Light and Power installation as above described has been fitted in accordance with the Rules requirements. It approves plan and letters & dates 25/3/25 and 9/12/24. The material is of generally good descriptions throughout and the workmanship good.

The whole installation has been tested under full power working conditions and was found satisfactory.

Recommend the vessel to have notation of "Electric Light" in the Reg. Book.

It is submitted that
this vessel is eligible for
THE RECORD. Elec. light.

W.D.
4/9/25

Total Capacity of Generators *81* Kilowatts

1s = K. 2/1.30.

The amount of Fee ...

£ 650.71

When applied for,

5.8.19.25.

When received,

8.8.19.25.

Travelling Expenses (if any) £

FRI. 4 SEP 1925

Committee's Minute

Elec Lt.

Assigned

Surveyor to Lloyd's Register of Shipping.



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