

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report. 20th November 1948 When handed in at Local Office. 28th November 1948 Port of Bergen

No. in Survey held at Bergen Date, First Survey 26th May Last Survey 24th July 1948  
Reg. Book. (Number of Visits. 2)✓ on the Steel screw steamer "LYNGÅS" ex "HARRIS" ex "GILSAY." Tons { Gross 532  
Net 159

Built at Beverley By whom built Cook, Walton &amp; Gemmell Ltd. Yard No. 729. When built 1944.

Owners A/S. Sandskaars Rederi Port belonging to Farsund.

Electrical Installation fitted by EGA A/S. Contract No. ✓ When fitted 1948

Is vessel fitted for carrying Petroleum in bulk. No. Is vessel equipped with D.F. No. E.S.D. No. 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 ✓ Power 110. Direct or Alternating Current, Lighting D.C. Power D.C. If Alternating Current state periodicity ✓ Prime Movers,

has the governing been tested and found as per Rule when full load is suddenly thrown on and off. Yes Are turbine emergency governors fitted 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. SEE PAGE 4. 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 Both at Starboard side engine room.

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 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. Construction of switchboard in accordance with Admiralty Standard

Electrical Specifications Nos 3 and 4 as before, 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. ✓ 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 quick

break knife switch and double pole cartridge fuse

and for each outgoing circuit. Double pole quick break knife switch and double pole cartridge

fuse.

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

ammeters. One voltmeter ✓ synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection. ✓ Earth Testing, state means provided. Earth lamps as before.

Switches, Circuit Breakers and Fuses, are they as per Rule. Yes, are the fuses an approved type. Yes, are all fuses labelled as

per Rule. Yes If circuit breakers are provided for the generators, at what overload current did they open when tested. ✓, are the reversed current

protection devices connected on the pole opposite to the equaliser connection. ✓, have they been tested under working conditions, and at what current

did they operate. ✓ Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule. Yes.

Cables, are they insulated and protected as per the appropriate Tables of the Rules. 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. 5 ✓, are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets. Yes Are paper insulated and varnished cambric insulated cables sealed at the ends. None fitted

SEE SPL. NOTE 9.1.1. (MACHIN)







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.

Elektro-Generator Aksjeselskap  
Bergen

Electrical Engineers.

Date

20/11-48

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass 52 ft.

Minimum distance between electric generators or motors and steering compass 50 ft.

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 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 nil degrees on every course in the case of the standard compass, and nil degrees on every course in the case of the steering compass.

Builder's Signature. Date

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 10th September 1947.

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith No.

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 installed under special survey in accordance with approved plan.

The materials used are of good quality and the workmanship is good.

The insulation has been tested and the installation tested under working conditions and found good.

No test certificates available. The generators and main switchboard are the original ones.

An alternative circuit fitted to navigation switchboard.

This installation is, in my opinion, eligible to be classed

Total Capacity of Generators 27.5 Kilowatts.

The amount of Fee ... N. 250.- : When applied for, 7/3 1948.

Travelling Expenses (if any) £ : When received, 16/3 1948.

ABOVE FEE INCLUDED IN RPT 9  
SENT 25/9-48.

Committee's Minute FRI 25 MAR 1949

Assigned Noted

S. A. Ride. B. S. Witomsky  
Surveyor to Lloyd's Register of Shipping.



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Foundation