

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

12 APR 1945

Received at London Office.....

Date of writing Report..... 10-4-1945 When handed in at Local Office..... 10-4-1945 Port of LEITH.

No. in Survey held at LEITH. Date, First Survey FEBRUARY 20<sup>th</sup> Last Survey APRIL 3<sup>rd</sup> 1945  
Reg. Book. (Number of Visits..... 3.....)on the motor vessel "STORK" Tons { Gross 493  
Net 224Built at LEITH. By whom built MESSRS HENRY ROBB L<sup>TD</sup> Yard No. 334 When built 1945.Owners GENERAL STEAM NAVIGATION CO. L<sup>D</sup>. Port belonging to LONDON.Electrical Installation fitted by MESSRS HENRY ROBB L<sup>TD</sup> Contract No. X When fitted 1945.

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

Have plans been submitted and approved YES System of Distribution TWO WIRE PARALLEL Voltage of supply for Lighting 220

Heating X Power 220 Direct or Alternating Current, Lighting DIRECT Power DIRECT If Alternating Current state periodicity X 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 with a

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

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

arranged to run in parallel YES, are shunt field regulators provided YES Is the compound winding connected to the negative or positive pole

NEGATIVE Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing X 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 ONE 22 KW SET ON EACH SIDE AT THE FORWARD END OF THE

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 No WOODWORK, 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 AT THE FORWARD END OF THE ENGINE ROOM AT WARTHOUSE.

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 No WOODWORK, what insulation

material 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 X 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 D.P. CIRCUIT BREAKER WITH

OVERLOAD, NO VOLT & RELEASE CURRENT TRIPS WITH TIME LAGS & A 3<sup>rd</sup> POLE CLOSING BEFORE AND OPENING AFTER MAIN POLES FOR

EQUALISER CONNECTION D.P. SWITCHES &amp; FUSES FOR EACH OUTGOING CIRCUIT.

and for each outgoing circuit D.P. SWITCHES &amp; FUSES FOR EACH OUTGOING CIRCUIT.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 2

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

equaliser connection YES Earth Testing, state means provided TWO LAMPS IN SERIES WITH MID POINT EARTHED.

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 50%, are the reversed current

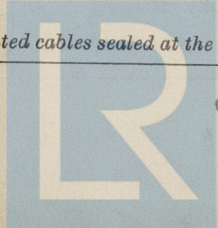
protection devices connected on the pole opposite to the equaliser connection YES, have they been tested under working conditions, and at what current

did they operate 10 AMPS 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 X

state maximum fall of pressure between bus bars and any point under maximum load 6 LB/SQ IN, 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 YES



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Lloyd's Register  
Foundation







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. HENRY ROBB LIMITED

*A. Wilson* DIRECTOR

Electrical Engineers.

Date

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass 36'-0"

Minimum distance between electric generators or motors and steering compass 30'-0"

The nearest cables to the compasses are as follows:—

A cable carrying 0.1 Ampères ONE feet from standard compass X feet from steering compass.

A cable carrying 0.1 Ampères ONE feet from standard compass X feet from steering compass.

A cable carrying X Ampères X feet from standard compass X 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 2 degrees on N.W. N & N.E. courses in the case of the standard compass, and ZERO degrees on ANY course in the case of the steering compass.

HENRY ROBB LIMITED

*A. Wilson*

DIRECTOR

Builder's Signature.

Date

Is this installation a duplicate of a previous case YES If so, state name of vessel M/V "KINGFISHER"

Plans. Are approved plans forwarded herewith X If not, state date of approval OCTOBER 10<sup>TH</sup> 1944.

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith YES

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

THE OIL ENGINE DRIVEN GENERATORS (NORTHMAN CABLES C 3162 & C 3163) HAVE BEEN INSTALLED IN THE VESSEL IN A GOOD & EFFICIENT MANNER AND IN ACCORDANCE WITH RULE REQUIREMENTS. THE MATERIALS AND WORKMANSHIP ARE GOOD.

THE ELECTRIC WIRING HAS BEEN CARRIED OUT IN A SATISFACTORY MANNER AND IN ACCORDANCE WITH THE APPROVED PLANS.

THE ELECTRICAL INSTALLATION HAS BEEN TESTED ON FULL LOAD & UNDER WORKING CONDITIONS AND ALL WAS FOUND TO BE SATISFACTORY.

Total Capacity of Generators 44. Kilowatts.

The amount of Fee ... £ 26 : 0 : 10.4.19.45  
Travelling Expenses (if any) £ : : 19.

*J. B. Owen*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 27 APR 1945

Assigned

*Su F.E. machy. rpt.*