

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

25 SEP 1939

Received at London Office.....

23 SEP 1939

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

No. in Survey held at..... Date, First Survey 267.39 Last Survey 21.9.1939  
Reg. Book. (Number of Visits.....)on the SIXTH SEVEN STERN TRAWLER "CAPE PRINCE" Tons {Gross 579.19  
Net 224.67Built at Scott By whom built William & Son Ltd Yard No. 1204 When built 1929Owners John & Son Ltd Port belonging to.....Electrical Installation fitted by W. Brunning & Son Ltd Contract No. 1 When fitted 1929Is vessel fitted for carrying Petroleum in bulk NO Is vessel equipped with D.F. YES E.S.D. YES Gy.C. NO Sub.Sig. NOHave plans been submitted and approved..... System of Distribution Two Main Voltage of supply for Lighting 100Heating..... Power..... Direct or Alternating Current, Lighting DC Power..... 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..... Are turbine emergency governors fitted with a

trip switch as per Rule..... Generators, are they compound wound....., 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....., are shunt field regulators provided..... 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..... 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..... Position of Generators Starboard side of engine room

....., is the ventilation in way of generators satisfactory..... are they clear of inflammable material....., 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....., are the bedplates and frames earthed..... and the prime movers and generators in metallic

contact..... Switchboards, where are main switchboards placed Starboard side of engine room, onafter bulkhead

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

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

material is used for the panels....., 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.....

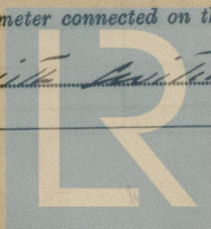
Is the construction as per Rule....., including accessibility of parts....., absence of fuses on the back of the board....., individual fuses

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

side of switches..... Description of Main Switchgear for each generator and arrangement of equaliser switches.....

2 - 150 Amp D.P. switches & 4 - 150 Amp S.P. fuses for Main Generators1 - 30 Amp D.P. Change over switch & 2 - 30 Amp S.P. fuses for each of theand for each outgoing circuit, as follows:- Mains, Navigation, Engine & Boiler, etc.,Machinery & Accommodation, Foremast, Galley, (See Appendix)Are compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Instruments on main switchboard Twoammeters Two voltmeters..... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to theequaliser connection..... Earth Testing, state means provided Test lamp with switches

W282-0258





*Situations*..... *Insulation Tests, has the insulation resistance of all circuits and apparatus been megger tested and found satisfactory*.....



*The foregoing is a correct description.*

HULL.

*Electrical Engineers.*

Date 20 Sept. 1939.

## COMPASSES.

Minimum distance between electric generators or motors and standard compass..... 45 ft.

Minimum distance between electric generators or motors and steering compass..... 4.5' - 15'

*The nearest cables to the compasses are as follows:—*

A cable carrying ..... 5 ..... Ampères ..... 8 ..... feet from standard compass ..... 7 ..... 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 ..... *Yes.*

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 1 1/4 degrees on N 2 E course in the case of the standard compass, and 1 1/4 degrees on N 6 E course in the case of the steering compass.

FOR COCHRANE & SONS LTD

...Builder's Signature.

Date 22 SEP 1939

Is this installation a duplicate of a previous case..... NO If so, state name of vessel 37 1025 5-REXO

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

The Electrician instructor of this course has been instructed  
to use the Plain Lamp, tested, examined and found  
working and under full entire satisfaction.  
The workmanship & instruction are good & sound.

Noted

22

27/9/39

Total Capacity of Generators.....20.....Kilowatts.

The amount of Fee ... .. £ 10 : - : 19-9 19-39

Travelling Expenses (if any) £			When received.
	:	:	21.12.13

## Committee's Minute

*Assigned.*

See Vol. 78. 50266

*Surveyor to Lloyd's Register of Shipping.*