

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

2 OCT 1939

Date of writing Report.....19..... When handed in at Local Office.....29 SEP 1939.....19..... Port of **HULL**

No. in Survey held at **Selby & Hull** Date, First Survey **17 Aug** Last Survey **24 Sept 1939**  
 Reg. Book. **18103** on the **Union Sea Tug "REVUE"** (Number of Visits.....7.....)  
 Tons { Gross.....**245**  
 Net.....**-**

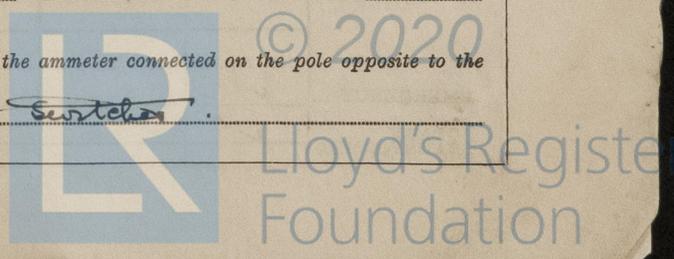
Built at **Selby** By whom built **Cochrane & Sons Ltd** Yard No. **1202** When built **1939-9**  
 Owners **Beira Works Ltd** Port belonging to **London**

Electrical Installation fitted by **Wm Broady & Son** Contract No. **-** When fitted **1939-9**

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

Have plans been submitted and approved **Yes** System of Distribution **Parallel-Constant pressure** Voltage of supply for Lighting **110**  
 Heating **✓** Power **✓** Direct or Alternating Current, Lighting **Direct** 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 **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 **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 **One only**, 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 **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 **Engine Room - Starboard side** 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 adjacent to Generator** 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 **Slate**, 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 **DP. switches & fuses.** and for each outgoing circuit **SP. switches & DP. fuses.**

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule **Yes** Instruments on main switchboard **One** ammeters **One** voltmeters **✓** 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 & switches.**





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.

**WM BROADY & SON LTD.**  
 ENGLISH STREET,  
 HULL.

Electrical Engineers.

Date 22.5.1939

**COMPASSES.**

Minimum distance between electric generators or motors and standard compass 50 feet

Minimum distance between electric generators or motors and steering compass 40 feet

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Ampères to feet from standard compass to feet from steering compass.

A cable carrying 5 Ampères 10 feet from standard compass 8 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 any course in the case of the

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

**FOR OUCHTERNEY & SONS LTD**

Builder's Signature.

Date 25 SEP 1939

*D. M. Torkington*  
 DIRECTOR

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

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

*This Electric installation has been fitted on board under Special Survey in accordance with the Rules & the approved plans. The workmanship, fittings & materials are good & when tried under working conditions & subjected to the tests prescribed in the Rules it was found satisfactory in every respect.*

*Noted*

*LJ*

*4/10/39*

Total Capacity of Generators 4 Kilowatts.

The amount of Fee ... £ 3 : 0 : 29 SEP 1939 When applied for,

Travelling Expenses (if any) £ : : 6/10/39 When received.

*D. J. P. ...*  
 Surveyor to Lloyd's Register of Shipping.

FRI. 20 OCT 1939

Committee's Minute

Assigned See Hull No. 55277

20.10.38.—Transfer. (MADE IN ENGLAND.)  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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