

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 19 OCT 1954Date of writing Report 20<sup>th</sup> SEPT 1954 When handed in at Local Office 17.9.1954Port of NEWCASTLE-ON-TYNENo. in Survey held at WALLSEND - ON - TYNE Date, First Survey 30<sup>th</sup> AUG 1954 Last Survey 13 SEPT 1954

Reg. Book.

(No. of Visits 3)on the OIL BARGE "B.P. HEDJUFF"Tons { Gross 74.76  
Net 50.81Built at WALLSEND - ON - TYNE By whom built CLELANDS (SUCCESSORS) LTD Yard No. 201 When built 1954Owners ANGLO-IRANIAN OIL CO LTD.

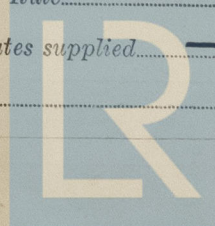
Port belonging to

Installation fitted by NORTHERN ELECTRICAL REWINDS LTD When fitted 1954Is vessel equipped for carrying OIL ABOVE 150°F. F.P. in bulk Yes Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar NoPlans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting BATTERY 12Heating — Power — D.C. or A.C., Lighting D.C. Power — If A.C. state frequency —Prime Movers, has the governing been found as per Rule when full load is thrown on and off — Are turbine emergency governors fittedwith a trip switch — Generators, are they compound wound C.A.V., and level compounded under working conditions NoAre the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole —Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing — Have certificates of test for machinesunder 100 kw. been supplied and the results found as per Rule — Position of Generators IN ENGINE ROOM STBD. SIDEALSO SMALL C.A.V. GENERATOR BELT DRIVEN FROM MAIN ENGINEis the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury anddamage from water, steam and oil Yes Switchboards, where are main switchboards placed C.A.V. CHARGING PANEL FITTEDON STBD. SIDE NEAR GENERATOR 2. C.A.V. CHARGING PANEL FITTED ON MAIN ENGINE

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

steam and oil Yes, what insulation is used for the panels —, if of synthetic insulatingmaterial is it an Approved Type —, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom asper Rule — Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgearfor each generator and arrangement of equaliser switches Double pole change over switch to charging panelsauto. cut-out on panelsand the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole switch and fusesAre compartments containing switchboards composed of fire-resisting material or lined as per Rule — Instruments on main switchboard Chargingammeters — voltmeters — synchronising devices. For compound machines in parallel are the ammeters and reverse currentprotection devices connected on the pole opposite to the equaliser connection — Earth Testing, state means provided not fittedPreference Tripping, state if provided No, and tested —Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yesmake of fuses MEM., are all fuses labelled Yes If circuit breakers are provided for the generators, at whatoverload do they operate —, and at what current do the reverse current protectivedevices operate — Cables, are they insulated and protected as per Rule Yesif otherwise than as per Rule are they of an Approved Type —, state maximum fall of pressure between bus bars and any pointunder maximum load less than 6% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends —

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical

damage Yes, are any cables laid under machines or floorplates No, if so, are they adequately protected — Statetype of cables (if in conduit this should also be stated) in machinery spaces V.I.R. L.CAB. & V.I.R. IN CONDUIT, galleys —and laundries — State how the cables are supported or protected Clipped to tray or metalworksupported along deck in channel.Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertightbulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holeseffectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule —Have refrigeration fan motors been constructed under survey — and test certificates supplied —Are the motors accessible for maintenance at all times —

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Foundation

004988-005002-0057 1/2







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.

NORTHERN ELECTRICAL REWINDS LTD.  
108 HOWARD STREET,  
NORTH SHIELDS.

*J. Chantler*

Electrical Contractors.

Date

27/9/54.

#### COMPASSES.

Have the compasses been adjusted under working conditions. **NOT FITTED (VESSEL FOR HARBOUR SERVICE AT ADEN)**

CLELANDS (SUCCESSORS) LIMITED.

*R. H. Chapp*

Builder's Signature.

Date

30/9/54.

Have the foregoing descriptions and schedules been verified and found correct.

*Yes*

Is this installation a duplicate of a previous case.

*Yes*

If so, state name of vessel.

B.P. "TAWAHI" (SHIP NO 200)

Plans. Are approved plans forwarded herewith.

*Yes*

If not, state date of approval.

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Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. *Charging Certificate Cont. attached to "B.P. TAWAHI" Report.*

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

The electrical equipment of this vessel has been fitted on board under Special Survey seen under working conditions and all found to be satisfactory.

The materials and workmanship are good.

The equipment as installed is suitable in my opinion for a class ship

Total Capacity of Generators. **0.66** Kilowatts.

The amount of Fee ...

£

**6 : 0 :**

When applied for,

**18 OCT 1954**

When received,

19

Travelling Expenses (if any) £

:

:

19

*J. W. Wright*

Surveyor to Lloyd's Register of Shipping.

FRIDAY 18 FEB 1955

Committee's Minute.

Assigned

*S. Rpt. 4.*



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