

Rpt. 13.

No. 60955

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 2-FEB 1955

Date of writing Report 23/12/54 19... When handed in at Local Office 8 JAN 1955 19... Port of HULL.

No. in Survey held at HULL & Portsmouth. Date, First Survey 30/7/53 Last Survey 21/12/54
Reg. Book. (No. of Visits (Hull) 3)

on the Trawler "BIRCH" Tons { Gross... Net...

Built at Beverley. By whom built Cook, Welton & Gemmell Yard No. - When built -

Owners Vospers, Ltd. Port belonging to Aberdeen.

Installation fitted by Vospers, Ltd. & Humber St. Andrew's Eng. Co. Ltd. When fitted 1954

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. No Gy.C. No Sub.Sig. No Radar Yes (Marconi)

Plans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting 220

Heating 220 Power 220 D.C. or A.C., Lighting D.C. Power D.C. 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 fitted

with a trip switch - Generators, are they compound wound Yes, and level compounded under working conditions Yes

Are the generators arranged to run in parallel Yes Is the compound winding connected to the negative or positive pole Yes

Have machines 100 kw. and over 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 Yes Position of Generators On raised platforms forward

Engine room port and starbd. sides.

is the ventilation in way of generators satisfactory are they clear of inflammable material and protected from mechanical injury and

damage from water, steam and oil Yes Switchboards, where are main switchboards placed On platform at forward

end of Engine Room.

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 Admiralty Grade "A" Bakerlite, 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 - Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear

for each generator and arrangement of equaliser switches 100 amp. triple pole circuit breakers with two pole

overload and reverse current trips.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole rotary switches and fuses

on each pole.

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

ammeters 2 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current

protection devices connected on the pole opposite to the equaliser connection Earth Testing, state means provided 2 lamps

service with mid point earthed & switches & fuses Preference Tripping, state if provided - and tested Yes

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes

make of fuses Z. Artic & M.E.M., are all fuses labelled Yes. If circuit breakers are provided for the generators, at what

overload do they operate 50%, and at what current do the reverse current protective

devices operate 5 V. Cables, are they insulated and protected as per Rule Yes

if otherwise than as per Rule are they of an Approved Type Yes, state maximum fall of pressure between bus bars and any point

under maximum load 3 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 - if so, are they adequately protected - State

type of cables (if in conduit this should also be stated) in machinery spaces V.I.R. L.C.A. & B., galleys V.I.R. L.C.A. & B.

and laundries - State how the cables are supported or protected Lead alloy sheathed & armoured

and clipped to perforated steel trays & bulkheads as required.

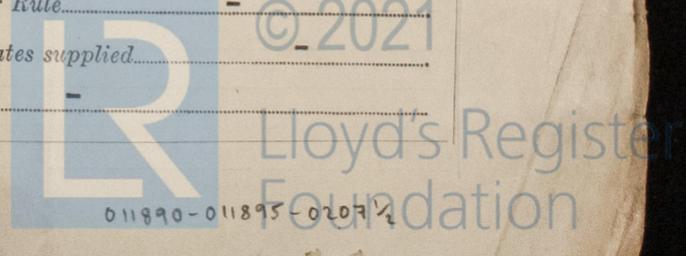
Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight

bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes

effectively 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 -



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.

for

HUMBER - ST. ANDREW'S ENGINEERING CO. LIMITED. Electrical Contractors.

Date 25th January 1955

[Handwritten Signature]

General Manager.

COMPASSES.

Have the compasses been adjusted under working conditions..... YES

for

HUMBER-ST. ANDREW'S ENGINEERING COMPANY LIMITED.

Contractor's

Builder's Signature.

Date 25th January 1955

[Handwritten Signature]

General Manager.

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 "MAYTHORN"

Plans. Are approved plans forwarded herewith..... No If not, state date of approval 16/12/48.

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

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

The Electrical Installation of this vessel has been fitted in accordance with the Rules, approved plans and Secretary's letters.

This installation has been completed at the port of Hull.

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

On completion the equipment was tested under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus measured and found good.

This equipment is in my opinion suitable for a classed vessel.

The portions of the equipment marked * were installed at Portsmouth,

See Southampton First Entry Report of September, 1954.

Total Capacity of Generators 52 Kilowatts. & Winch Generator.

The amount of Fee ... £ 43 : 10 : 0 When applied for, Winch £ 5 : 0 : 0

(£12 due Southampton).

Travelling Expenses (if any) £ : : 19

H.C. Rodgers &

Surveyor to Lloyd's Register of Shipping.

[Handwritten Signature]

FRIDAY 22 APR 1955

Committee's Minute

Assigned

See Rpt. 9.

SH 1211 - Transfer (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

T.K. 14/2/55

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