

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 27-10-45 When handed in at Local Office 29th Oct 1945 Port of Middsborough

No. in Survey held at South Bank on Tees Date, First Survey 10-8-45 Last Survey 5-10-45 1945
Reg. Book. (Number of Visits 5)

15822 on the S.T. "WOLVES" (EX-JEAN EVA-38) Tons {Gross 422
Net 161

Built at South Bank on Tees By whom built Smiths Dock Ltd Yard No. - When built 1934

Owners Bunch Steam Fishing Co Ltd Port belonging to Grimsey

Electrical Installation fitted by Smiths Dock Co Ltd Contract No. - When fitted 1945

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

Have plans been submitted and approved rewiring of original installation System of Distribution Two-wire insulated Voltage of supply for Lighting -

Heating Power - Direct - Alternating Current, Lighting Yes Power Yes If Alternating Current state periodicity - 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 - 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 -, 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 - Have certificates of test for machines under 100 kw. been supplied original generator in use and the results found as per rule - Are the lubricating arrangements and the construction of the generators as per rule Yes Position of Generators engine room situated on raised stool

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 in engine room frame adjacent to generators

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 strong "Kindsuipo", 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 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 main switches a double-pole, single throw quick-break knife switch and double-pole fuse

and for each outgoing circuit as for generators

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 E. lamps connected to E. through MCB & fuses

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 -, are the reversed current protection devices connected on the pole opposite to the equaliser connection -, have they been tested under working conditions, and at what current did they operate - 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 -, state maximum fall of pressure between bus bars and any point under maximum load 7.6%, are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets Yes Are paper insulated and varnished cambric insulated cables sealed at the ends -

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 SMITH'S DOCK COMPANY, LTD.

K.H. Deale
 DOCKS MANAGER.

Electrical Engineers.

Date *29.10.45*

COMPASSES.

Minimum distance between electric generators or motors and standard compass *62'*

Minimum distance between electric generators or motors and steering compass *84'*

The nearest cables to the compasses are as follows:—

A cable carrying *15 W.* Ampères *on the* feet from standard compass *8* feet from steering compass.

A cable carrying *15 W.* Ampères *8* feet from standard compass *on the* 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 *7 1/2* degrees on *every* course in the case of the standard compass, and *7 1/2* degrees on *every* course in the case of the steering compass.

FOR SMITH'S DOCK COMPANY, LTD.

K.H. Deale

Builder's Signature.

Date *29.10.45*

Is this installation a duplicate of a previous case *rewiring of original installation*. If so, state name of vessel _____

Plans. Are approved plans forwarded herewith *No*. If not, state date of approval _____

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

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

installation of the above trawler has been stripped out and rewired with new cable, and the generator and switchboards have been re-conditioned; the removal of the installation is in accordance with the Bureau's requirements and conforms generally to the Society's 1939-1940 "Rules for electrical Equipment". The materials used are of good quality and design and the workmanship is good: The generator was seen running on load and the insulation resistance of each circuit was measured and found good: This equipment is in my opinion suitable for a vessel bearing the Society's class.

*noted
 Bell
 24/11/45*

Total Capacity of Generators *6* Kilowatts.

| | | | | |
|--------------------------------|-----------|-----------|----------|-------------------|
| The amount of Fee ... | £/ | :0. | 0. | When applied for, |
| <i>Revised</i> | <i>4.</i> | <i>4.</i> | <i>0</i> | <i>29-10-1945</i> |
| Travelling Expenses (if any) £ | : | : | : | When received, |
| | | | | 19..... |

S.D. Ward

Surveyor to Lloyd's Register of Shipping.

TUES. 27 NOV 1945

Committee's Minute _____

Assigned *See minute on p. 9*

504, 419—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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