

Rpt. 13.

No. 19535.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office **22 JAN 1953**

Date of writing Report **13th Jan. 1952.** When handed in at Local Office **20th Jan. 1953.** Port of **Gothenburg**

No. in Survey held at **Uddevalla** Date, First Survey **30th Oct. 52.** Last Survey **2nd Jan. 1953.**
Reg. Book. (No. of Visits **12.**)

90984 on the **Motor Tanker "A S L A U G T O R M"** Tons **Gross 10270**
Net 5946

Built at **Uddevalla** By whom built **Uddevallavarvet Aktiebolag** Yard No. **126** When built **1952**

Owners **D/S Torn A/S** Port belonging to **Copenhagen**

Installation fitted by **Uddevallavarvet Aktiebolag** When fitted **1952**

Is vessel equipped for carrying Petroleum in bulk **Yes** Is vessel equipped with D.F. **Yes** E.S.D. **Yes** Gy.C. **Yes** Sub.Sig. **--** Radar **Yes**

Plans, have they been submitted and approved **Gothenburg 17.11.52.** System of Distribution **2 wire** Voltage of Lighting **110**

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 **Yes** 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 **Negative**

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing **Yes** Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule **Yes** Position of Generators **No.1: Starboard side E.R. floor;**

No.2: Port side fwd; No.3: Port side aft; Steam generator: Port side aft.

Is the ventilation in way of generators satisfactory **Yes** 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 a platform, Port side in the 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 **Dead front, switchgears fitted on Sindanyo**, 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 **A double pole linked circuit breaker with overload and reversed current trips and a single pole equaliser switch,**

and the switch and fuse gear (or circuit breakers) for each outgoing circuit **A double pole switch and a fuse on each pole.**

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule **Yes** Instruments on main switchboard **12**

ammeters **8** 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 **Yes** Earth Testing, state means provided **Ohm-metres**

Preference Tripping, state if provided **Yes**, and tested **Yes**

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

make of fuses **A.S.E.A.**, are all fuses labelled **Yes** If circuit breakers are provided for the generators, at what overload do they operate **20 %**, and at what current do the reverse current protective devices operate **50 Amps.** Cables, are they insulated and protected as per Rule **Yes**

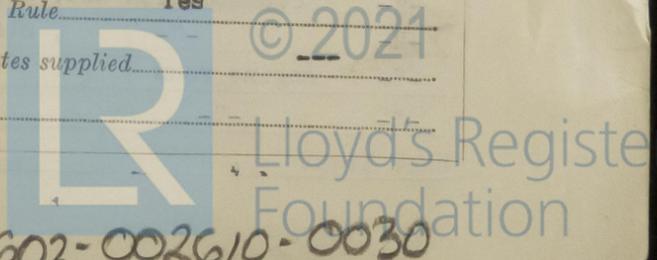
if otherwise than as per Rule are they of an Approved Type **---**, state maximum fall of pressure between bus bars and any point under maximum load **4** volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends **Yes**

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 **---** State type of cables (if in conduit this should also be stated) in machinery spaces **Lead covered & armoured**, galleys **Lead covered and armoured or steel wire braided** and laundries **Lead covered & steel wire braided** State how the cables are supported or protected **Supported by metal clips. When drawn behind panels etc.: drawn in conduits. In pumproom and tweendeck space: drawn in gastight piping.**

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 **Yes**

Have refrigeration fan motors been constructed under survey **---** and test certificates supplied **---**

Are the motors accessible for maintenance at all times **---**



002602-002610-0030

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.

H. J. J. J. J.

Electrical Contractors.

Date *15. Jan. 1953*

COMPASSES.

Have the compasses been adjusted under working conditions... **Yes**

by [Signature]

Builder's Signature.

Date

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

Is this installation a duplicate of a previous case... **No** If so, state name of vessel. ---

Plans. Are approved plans forwarded herewith... **No** If not, state date of approval. **Gothenburg, 17.11.1952.**

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

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

This electrical installation has been fitted in the vessel under my inspection and has been tested and found satisfactory.

The workmanship is good and the Rule requirements have been complied with.

Lloyd's and Makers certificates in respect of generators and motors are attached.

2m.850.—Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

26.1.53

Total Capacity of Generators **500** Kilowatts.

The amount of Fee ... **Kr. 2123:00** : { When applied for, **20th Jan. 1953.**

Travelling Expenses (if any) **Kr. 30:00** : { When received, ---

Anders Sjögren
Surveyor to Lloyd's Register of Shipping.

TUES. 24 FEB 1953

Committee's Minute

Assigned *See F.E. mch. rpt.*



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