

# Report on Electrical Equipment.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 14.10., 1941. When handed in at Local Office ..... 19..... Port of STOCKHOLM.....

No. in Survey held at Stockholm..... Date, First Survey 8.4.,..... Last Survey 21.7., 1941.  
Reg. Book. (Number of Visits 10.....)

..... on the Steel Sc. Motortanker "GIAN"..... Tons {Gross 640  
Net 362

Built at Stockholm..... By whom built A/B Ekensbergs Varv..... Yard No. 177..... When built 1941.....

Owners Rederi A/B Transocean..... Port belonging to Gothenburg.....

Electrical Installation fitted by Allmänna Svenska Elektriska A.-B...... Contract No ..... When fitted 1941.....

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

Have plans been submitted and approved Yes.. System of Distribution Two wire system Voltage of supply for Lighting 115..

Heating 115v.. Power Direct or Alternating Current, Lighting Direct Power Direct 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 Yes 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 No....., are shunt field regulators provided Yes..... Is the compound winding connected to the negative or positive pole

Negative pole..... 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 In the Engine Room.....

....., 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.. Swithboards, where are main switchboards placed In the Engine Room.....

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 Bakelite....., 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 ..... 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 For generator 25 KW ; A double-pole overload circuit-breaker.

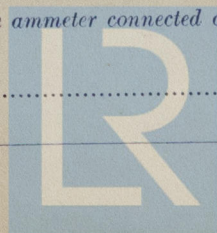
For generator 5 KW ; A double-pole linked switch and a fuse on each pole.

and for each outgoing circuit A double-pole linked switch and a fuse on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule ..... Instruments on main switchboard 3.....

ammeters 2..... 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 Ohm meter fitted.



PARTICULARS OF GENERATING PLANT.								
DESCRIPTION OF GENERATOR	No. of	R A T E D A T				D R I V E N B Y	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN .....	One	25.0	115	218.0	800	Belt from Aux. Engine	Diesel Oil	80° C.
	One	5.0	110	45.5	920	Belt from Aux. Engine	Diesel Oil	80° C.
EMERGENCY ...								
ROTARY TRANSFORMER								

[illegible]

W170-0181 (2/27)

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.

ALLMÄNNNA SVENSKA ELEKTRISKA ANSTÄLSELÄGGET  
FILIALEN STOCKHOLM

Electrical Engineers. Date .....

*J. Melander*

#### COMPASSES.

Minimum distance between electric generators or motors and standard compass ..... 9 met.

Minimum distance between electric generators or motors and steering compass ..... 7 " .

The nearest cables to the compasses are as follows: —

A cable carrying ..... 0.3 ..... Ampères ..... One ..... met. ..... 3 ..... met. ..... Morse Lamps.

A cable carrying ..... Ampères ..... feet from standard compass ..... 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 ..... None.

The maximum deviation due to electric currents was found to be ..... degrees on ..... course in the case of the standard compass, and ..... degrees on ..... course in the case of the steering compass.

A.-B. EKENSBERGS VARV

Builder's Signature. Date .....

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 my supervision  
and to my satisfaction. The workmanship is good and the Rule Requirements have been  
complied with, with the exception of the items stated in the attached letter.  
The Makers' certificates in respect of generators and of motor for windlass  
are attached hereto.

Total Capacity of Generators ..... 30 ..... Kilowatts.

The amount of Fee ... .. x Kr.: 428:— { When applied for, 15.10.41.  
Travelling Expenses (if any) £ : : { When received 19.....

Committee's Minute .....

Assigned .....

*H. J. Andersson*  
Surveyor to Lloyd's Register of Shipping.

(The Surveyors are requested not to write on or below the space for Committee's Minute.)