

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

3 SEP 1941

Date of writing Report... 3/9/41... 47 When handed in at Local Office... 3 SEP 1941... Port of... LONDON

No. in Survey held at... SURREY DOCKS... Date, First Survey... 1st May... Last Survey... 1947
Reg. Book. (Number of Visits... ONE)

90921 on the S.S. "SHEAFMEAD" (ex "SAMMEX") Tons { Gross... 721.9
Net... 438.0

Built at... Baltimore By whom built... Bethlehem Fairfield S/Yd. Yard No. - When built... 1943

Owners... Sheaf Steam Shipping Co. Ltd. Port belonging to... LONDON.
(W.A. Smith & Co. Ltd. Mgrs.)

Electrical Installation fitted by... Contract No. - When fitted... 1943.

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

Have plans been submitted and approved... YES System of Distribution... Two wire insulated Voltage of supply for Lighting... 120

Heating... 120 Power... 120 Direct or Alternating Current, Lighting... D.C. Power... D.C. 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... YES, 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... No Have certificates of

test for machines under 100 kw. been supplied... No and the results found as per rule... Are the lubricating arrangements and the construction

of the generators as per rule... YES Position of Generators... Generator flat, engine room starboard side

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... 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... Ebony asbestos... 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... 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 equaliser switches... D.P. Circuit breakers

with overload & reverse current trips: T.P. isolating switch (including equaliser)

and for each outgoing circuit... D.P. switch & D.P. cartridge fuses

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

ammeters... 3 voltmeters... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection... YES Earth Testing, state means provided... Earth Lamps



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PARTICULARS OF GENERATING PLANT.								
DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN ...	3	20	120	167	400	Single Cyl. Gas Engine		
EMERGENCY ...								
ROTARY TRANSFORMER								

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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.

Electrical Engineers.

Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Amperes feet from standard compass feet from steering compass.

A cable carrying Amperes feet from standard compass feet from steering compass.

A cable carrying Amperes feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

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.

Builder's Signature.

Date

Is this installation a duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)
The electrical installation of this vessel as now seen appears to have been fitted in accordance with the standards of the American I.E.E. and minor repairs carried out at this port to bring the insulation tests up to Rule requirements.

The generators and circuit breakers and installation generally have been examined, tested under working conditions and found satisfactory.

It was noted that the generators are constructed, in line with American practice, for a standard temperature rise of 40°C.

The installation, as now seen, is in my opinion such as could be accepted for classification with this Society.

Note sent 11/9/47

Total Capacity of Generators 60 ✓ Kilowatts.

The amount of Fee ... £ 8 : 0 :
Travelling Expenses (if any) £ : :
When applied for, charged on 19.....
When received, 19.....

Surveyor to Lloyd's Register of Shipping.

FRI. 12 SEP 1947

Committee's Minute

Assigned

See minute on
J.E. Mackay rpt.