

Rpt. 13.

No. 887^c

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 13.11.1953 When handed in at Local Office 19 Port of Groningen

No. in Survey held at Madelukken Date, First Survey 21.5.53 Last Survey 4-11-1953
Reg. Book. (No. of Visits 16)

on the m.v. "PUSPARAGAM" Tons { Gross 668.50
Net 292.13

Built at Madelukken By whom built Sch. Madelukken Yard No. 217 When built 1953

Owners Republik Indonesia Port belonging to Djakarta

Installation fitted by Messrs Herman & Ebel NV When fitted 1953

Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. no E.S.D. yes Gy.C. no Sub.Sig. no Radar no

Plans, have they been submitted and approved yes System of Distribution 2 wire insulated Voltage of Lighting 110

Heating 110 Power 110 D.C. or A.C., Lighting DC Power DC 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 yes Generators, are they compound wound yes, and level compounded under working conditions yes

if not compound wound state distance between generators and from switchboard Are the generators arranged to run

in parallel no, 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 yes and the results found as per Rule yes

Position of Generators 2nd floor level, emergency dynamo on aft head deck

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 2nd floor level and

aft head deck

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 wood board type switch boards 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 2nd switch and 2nd fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 2nd 2nd switches and 2nd fuses

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

ammeters 2 voltmeters synchronising devices For compound machines in parallel are the ammeters and reversed current

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

indicating lamps for each busbar system

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes (Kema type)

make of fuses Nibel & Hauninger, are all fuses labelled yes If circuit breakers are provided for the generators, at what

overload do they operate, and at what current do the reversed current protective devices operate

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule yes

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 < 6%, are the ends of all cables having a sectional

area of 0.01 square inch and above provided with soldering sockets yes 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 Are cables in machinery spaces, galleys, laundries, etc., lead covered no or run in conduit no

or of the "HR" type yes State how the cables are supported or protected Mach spaces: 40 type cable clipped

to suspended plating - Deck spaces: 40 type cable clipped to wood ground on surface

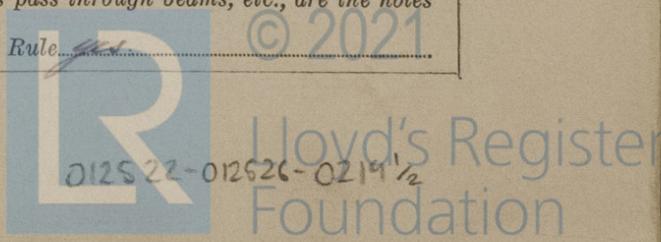
Deck hold: 40 type cable clipped to steel iron plating and protected by steel iron

plates -

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



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.

HERMAN G. EEKELS N.V.
P. PROC

Electrical Contractors. Date 18/11.53.

COMPASSES.

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

N.V. SCHEEPSWERF
WATERHUIZEN
J. PATTJE

Builder's Signature. Date 18/11.53.

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 Barisan Biduri, Pemada

Plans. Are approved plans forwarded herewith... no If not, state date of approval 30/6/53

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

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

The electrical equipment of this vessel has been installed under special survey in accordance with the Society's Rules and Regulations and the approved plans or equivalent plans - The materials used are of a good quality and the design and workmanship are good - On completion the equipment has been tried out under full working conditions and found satisfactory - This equipment is in our opinion suitable for a classed vessel

*noted JS
1/12/53*

Total Capacity of Generators 62 V Kilowatts.

The amount of Fee ...	<u>£ 534 -</u>	When applied for,	<u>10-11-1953</u>
		When received,	<u>19</u>

[Signature]
 Surveyor to Lloyd's Register of Shipping.

Travelling Expenses (if any) £ 91 -
 (incl teleph charges)
FRIDAY - 4 DEC 1953

Committee's Minute.....

Assigned See minute on

bull fe. opt

*#
FE
24.11.53.*

2m.9.40.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)