

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

5-FEB 1954

Date of writing Report 12-1-1954 When handed in at Local Office 1954 Port of GRONINGEN

No. in Survey held at FOXHOL Date, First Survey 5/10-53 Last Survey 7/1-1954
Reg. Book. (No. of Visits 9)

on the "INTAN" Tons { Gross 660.50 Net 429.86

Built at FOXHOL By whom built SCHN TERIUS SMIT Yard No. 116 When built 1954

Owners Republik Indonesia Port belonging to DJAKARTA

Installation fitted by MESSRS HERMAN G. ECKELS NV When fitted 1954

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 YES 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 YES Have certificates of

test for machines under 100 kw. been supplied YES and the results found as per Rule YES

Position of Generators ER DECK LEVEL AND EMERGENCY GENERATOR ON DECK 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 ER FLOOR LEVEL

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 DEEP FRONT TYPE SWITCH BOARD, 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 YES 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 DP SWITCH AND DP FUSES

and the switch and fuse gear (or circuit breakers) for each outgoing circuit DP DT SWITCHES AND DP 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 YES 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 APPROV)

make of fuses WEBER & HAZEMAYER; are all fuses labelled YES If circuit breakers are provided for the generators, at what

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

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 YES

state maximum fall of pressure between bus bars and any point under maximum load 5.67, 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 YES 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 SPACE: HR TYPE CABLE CLIPPED TO

PERFORATED PLATING - ACCON SPACES: HR TYPE CABLE CLIPPED TO WOOD GROUNDS OR SURFACE -

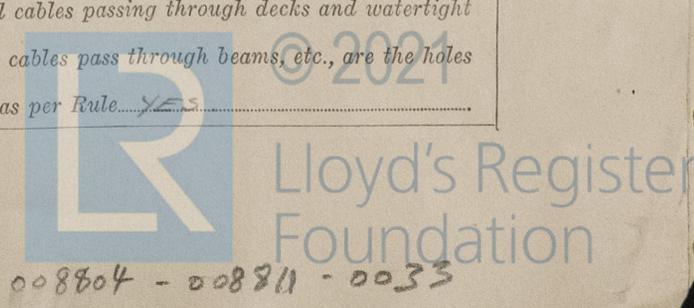
CARGO HOLDS: HR TYPE CABLE CLIPPED TO SHEET IRON PLATE AND PROTECTED BY SHEET

IRON COVERS

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



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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.

HERMAN G. EEKELS N.V.
 P. PROC. *H. G. Eekels*

Electrical Contractors. Date 15-1-54

COMPASSES.

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

K.V. Scheepswaerf „Ferus SpA“

[Signature] Builder's Signature. Date 15-1-54

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 BARLIAN BIDURI ETC

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 Dutch and Regulation 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 condition and found satisfactory. — This equipment is in our opinion suitable for a closed vessel.

*noted &
15/2/54*

Total Capacity of Generators..... 62 ✓ Kilowatts.

The amount of Fee ...	<u>£ 534.-</u>	:	When applied for,	
			<u>30-1-1954</u>	
Travelling Expenses (if any) <i>£</i>	<u>75.-</u>	:	When received,	<u>19</u>

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

FRIDAY 19 FEB 1954

Committee's Minute.....

Assigned..... See Rpt. 46

2m. 8. 46.—Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

11-2-54



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