

Rpt. 13.

No. 36867 C

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

12 OCT 1953

Date of writing Report 10/5 19 53 When handed in at Local Office 16.5 19 53 Port of Rotterdam

No. in Survey held at 51edrecht Date, First Survey 24-11-52 Last Survey 3-4-19 53  
Reg. Book. (No. of Visits 11)on the Motor tanker for river service "QASEEMUL-BAHR" Tons { Gross 200.19  
Net 104.09

Built at 51edrecht By whom built Messrs "de Klop" Yard No. 60197 When built 5-53

Owners. PAKISTAN GOVERNMENT Port belonging to ✓

Installation fitted by Messrs Bakker (Flash point above 60°F) When fitted 5-53

Is vessel equipped for carrying Petroleum in bulk. yes Is vessel equipped with D.F. no E.S.D. no 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 220

Heating. Power 220 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. Generators, are they compound wound. yes, and level compounded under working conditions. yes

Are the generators arranged to run in parallel. no Is the compound winding connected to the negative or positive pole. negative pole

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing. Have certificates of test for machines

under 100 kw. been supplied and the results found as per Rule. yes Position of Generators. ER floor level

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 against

fore bulkhead

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 type switchboard, 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 construction as per Rule, including locking of screws and nuts. yes Description of Main Switchgear

for each generator and arrangement of equaliser switches. 2-pole circuit breakers with O/C protection in

twin poles

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. 2-pole rotary switches &amp; 2 pole fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. Instruments on main switchboard. 11

ammeters. 1 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. Earth Testing, state means provided. earth

indirect acting lamps Preference Tripping, state if provided. and tested.

Switches, Circuit Breakers and Fuses, are they as per Rule. fuses, are the fuses an Approved Type. yes (KEMA approved)

make of fuses. Weber, are all fuses labelled. yes If circuit breakers are provided for the generators, at what

overload do they operate. Direct acting 100% overload With time delay 950 Amp. Direct acting 100 Amp. and at what current do the reverse current protective

devices operate. 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. 50% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends.

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. M.I.C.C. galleys. M.I.C.C.

and laundries. State how the cables are supported or protected. Machinery spaces: M.I.C.C. clipped

to perforated plating Accommodation: M.I.C.C. clipped to perforated plating on surface

Between ER - pump room - fore ship: M.I.C.C. clipped to metal framework

Are all copper 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. Refrigerated chambers, are the cables and fittings as per Rule.

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

Are the motors accessible for maintenance at all times.



Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule. yes ..... Emergency Supply, state position



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.

Fa. S. BAKKER

TECHNISCH BUREAU

SLIEDRECHT

B 11-13 - TELEF. 224

Electrical Contractors.

Date

COMPASSES.

(not fitted)

Have the compasses been adjusted under working conditions

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

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

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

The electrical equipment of this tanker (carrying oil having a flash point above 150°F) intended for river service, has been installed under special survey in conformity with the Society's Rules and Regulations and in accordance with the Secretary's letter and the approved plan.

The materials used are of a good quality and the design and workmanship are good. On completion the equipment has been tried under full working conditions and found satisfactory.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators 16 Kilowatts.

The amount of Fee ...

£1. 176. =

When applied for,

5.10. 1953

Travelling Expenses (if any) £

£1. 53. 00

When received,

19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

THURSDAY - 5 NOV 1953

Assigned

See Rpt. 46