

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 28/12/ 19 60 When handed in at Local Office 19 Port of SYDNEY, N.S.W.  
No. in Survey held at SYDNEY, N.S.W. Date, First Survey 26/7/60 Last Survey 16/11/ 1960  
Reg. Book (No. of Visits 4)

on the Non-propelled Oil Barge "B.P. SYDNEY" Tons { Gross 450  
Net -

Built at Sydney By whom built Chadwick Engr. Pty. Ltd. Yard No. 2 When built 9/60

Owners B.P. Australia Ltd. Port belonging to Not registered

Installation fitted by Oliver Electric Co. Pty. Ltd. When fitted 9/60

Is vessel equipped for carrying Petroleum in bulk no 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 3 p.h. A.C. Voltage of Lighting 110

Heating - Power 240/415 D.C. or A.C., Lighting A.C. Power A.C. If A.C. state frequency 50 cycles

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 A.C. with A.V.R., and level compounded under working conditions -

Are the generators arranged to run in parallel - Is the compound winding connected to the negative or positive 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

Auxiliary machinery space, Port side

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

Auxiliary machinery space, Port side aft of generator

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 Metal clad switchgear, 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 3 pole air break circuit breaker with over

current protection

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 3 pole or 2 pole switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard 1

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 -

Preference Tripping, state if provided - , and tested -

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes

make of fuses E.E. Co. Ltd., are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 60 amps., and at what current do the reverse current protective

devices operate - Cables, are they insulated and protected as per Rule

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 2.0 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 V I R L C, galleys -

and laundries - State how the cables are supported or protected Clipped to perforated

steel tray and direct to structural steelwork.

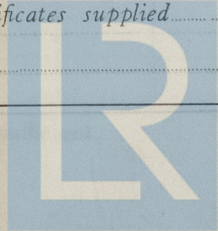
Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight

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 -

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

Are the motors accessible for maintenance at all times -



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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 Contractors. Date

COMPASSES.

Have the compasses been adjusted under working conditions None

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 28.9.59

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith None

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

The electrical installation in this barge has been installed under survey in accordance with the Society's Rules, approved plans and Secretary's letters.  
It has been tested under working conditions and found satisfactory.

Total Capacity of Generators 25 Kilowatts.

The amount of Fee £ 50 : 0 : 0 { When applied for, 12/1/ 1960

Travelling Expenses (if any) £ 2 : 2 : 0 { When received, 19

S. C. Johnson  
Surveyor to Lloyd's Register of Shipping.  
(S.C. Johnson)

Committee's Minute FRIDAY 24 MAR 1961

Assigned See Rpt. 1.

\* Rms  
31.1.61

