

REPORT ON ELECTRICAL EQUIPMENT

[OTHER THAN FOR THE PROPULSION OF THE VESSEL]

Received at London Office

Date of writing Report 13/9/1948 When handed in at Local Office 13/9/1948 Port of SYDNEY N.S.W.

No. in Reg. Book Survey held at PORT KEMBLA N.S.W. Date: First Survey 24/10/46 Last Survey 9/7/48 19
(Number of Visits 16)

on the TWIN SCREW MOTOR LAUNCH "PLYM"

Tons { Gross 74
Net 57

Built at PORT KEMBLA N.S.W. By whom built A.E. GOODWIN LTD. Yard No. 78 When built 1948

Owners ANGLO SAXON PETROLEUM CO. LTD. Port belonging to SYDNEY N.S.W.

Electrical Installation fitted by BRAYBON BROS. PTY. LTD. SYDNEY N.S.W. Contract No. When fitted 1948

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

Have plans been submitted and approved Yes System of Distribution Two wire parallel Voltage of supply for Lighting 32

Heating ✓ Power 32 Direct or Alternating Current, Lighting D.C. Power D.C. If Alternating Current, state frequency ✓ Prime Movers
ENGINE STARTING MOTORS 24 VOLT.

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 ✓ Generators, are they compound wound SHUNT, are they level compounded under working conditions ✓

if not compound wound, state distance between generators 6 feet and from switchboard AUX. SET 3 FEET
STARBD. ENG. 3 " PORT ENG. 8 " Where more than one generator is fitted, are theyarranged to run in parallel No, are shunt field regulators provided MAIN ENGS. AUTO; the compound winding connected to the negative or positive pole
STUART TURNER SET. MANUAL.

✓ 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 ✓ and the results found as per rule ✓ Are the lubricating arrangements and the construction

of the generators as per rule ✓ Position of Generators MAIN ENGINE GENERATORS ON PORT SIDE OF ENGINES. STUART TURNER
SET STARBD. FORD CORNER E.R.

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 ON FORWARD E.R. BULKHEAD IN LINE WITH STARBOARD

MAIN ENGINE.

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 ZELEMITE, if of synthetic 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 YES, 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 arrangements of equaliser switches ALL KNIFE SWITCHES

EXCEPT AUTO CUT OUTS ON MAIN ENGINE GENERATORS.

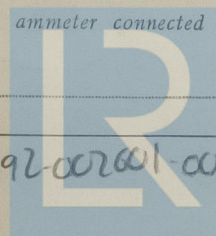
and for each outgoing circuit D.P. TUMBLER SWITCHES.

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

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

equaliser connection ✓ Earth Testing, state means provided EARTH LAMPS.

002592-002601-00811



© 2020

Lloyd's Register
Foundation

PARTICULARS OF GENERATING PLANT.

PARTICULARS OF GENERATING PLANT.						WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE		
DESCRIPTION OF GENERATOR	No. of	RATED AT				DRIVEN BY	Fuel Used	Flash Point of Fuel
		Kilowatts	Volts	Ampers	Revs. per Min.			
MAIN	2	0.288	24	12	VARIOUS	MAIN ENGINES	DISTILLATE	215° F
AUXILIARY.	1	1	32 1/2	31 1/4	1500	STUART TURNER 2HP	PETROL	
EMERGENCY						2 CYCLE ENGINE		
ROTARY TRANSFORMER								

DESCRIPTION	KILOWATTS	CONDUCTORS		MAXIMUM CURRENT IN AMPERES		APPROX. LENGTH (lead plus return feet)	INSULATED WITH	HOW PROTECTED
		No. in Parallel Per Pole	Sectional Area or No. and Dia. of Strands sq. ins. or sq. mm.	In the Circuit	Rule			
MAIN GENERATOR — — —	0.288	1	7/0.044	12 ✓	31	12 To batteries. V.I.R.		LEAD ARMOUR SHEATHED
" " EQUALISER — — —						60 To SW/bd.		AND W.T. CONDUIT.
AUXILIARY GENERATOR	1	1	7/0.044	29.4 ✓	31	35	"	LEAD ARMOUR SHEATHED.
EMERGENCY GENERATOR — — —								
ROTARY TRANSFORMER: MOTOR — — —								
" " GENERATOR								

AUX. SWITCHBOARDS AND SECTION BOARDS							
DIST. BOARD PORT SIDE, AFT ACCOMMODATION	1	3/-036	9-3✓	10	38	V.L.R.	LEAD ALLOY SHEATHED.
" " STABRD " "	1	1/-044	1-4✓	5	30	" "	" "
" " WITH MAIN SWITCHBOARD IN E.R.	1	1/-044	3-3✓	5	6	" "	" "
" " IN WHEELHOUSE (LIGHTS)	1	1/-044	2-4✓	5	26	" "	" "
" " " (NAVIG.)	1	1/-044	3-5✓	5	26	" "	" "
" " IN SALOON	1	1/-044	3-8✓	5	36	" "	" "
" " IN FORD CREW SPACE	1	1/-044	4-2✓	5	48	" "	" "

[illegible]

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.

BRAYBON BROS. PTY. LTD.

Per W. Braybon

Electrical Engineers.

Date 13/9/48

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..... No..... If so, state name of vessel.....

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

This electrical equipment has been installed under Special Survey in accordance with the requirements of the Rules and in accordance with the plans submitted. The materials and workmanship are of good quality. The insulation resistance tests and trials have been carried out in accordance with Rule requirements with good results and in our opinion the vessel, so far as electrical equipment is concerned, is eligible to be classed.

*J.S.
17.1.49.*

Total Capacity of Generators 1.576 Kilowatts.

The amount of Fee £ 6:0: { When applied for, 15/7/48
Travelling Expenses (if any) £ : : { When received, 19

H. Gervard & Co. B.P. Holden
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 21 JAN 1949

Assigned

See minute on Rpt. 46.



© 2020

Lloyd's Register
Foundation