

No 56166

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 10 SEP 1948

Report 9-9-1948 When handed in at Local Office 9-9-1948 Port of CARDIFF  
 Survey held at CARDIFF Date, First Survey 5-49 Last Survey 26-6-1948  
 75404 (Number of Visits 10)  
 in the TENACODUS  
 MOBILE, ALA. By whom built ALABAMA D.D.C.S. CO LTD Yard No. When built 1911  
 GLO SAXON PETROLEUM CO LTD Port belonging to LONDON  
 Right Installation fitted by ALABAMA D.D.C.S. CO LTD Contract No.  
 fitted for carrying Petroleum in bulk YES When fitted

Distribution ALTERNATING CURRENT 3-PHASE 380 VOLTS  
 Supply for Lighting 115 COOKING 230 volts, Power 450 volts.  
 Alternating Current, Lighting ALTERNATING Power ALTERNATING  
 current system, state frequency of periods per second 60 CYCLES / SECOND  
 Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off YES  
 do they comply with the requirements regarding temperature rise A.I.E.E. STANDARDS, are they compound wound 55 KVA EXCITERS ONLY  
 compounded 5 per cent. if not compound wound state distance between each generator 7-0  
 run one generator is fitted are they arranged to run in parallel YES ACROSS SETS, is an adjustable regulating resistance fitted in shunt field OF EXCITER YES Have certificates of test results for machines under 100 kw. been submitted and  
 Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing  
 its accessible, clearly marked, and furnished with sockets YES are they so spaced or shielded that they cannot be accidentally earthed or touched YES Are the lubricating arrangements of the generators as per Rule YES  
 Generators IN ENGINE ROOM STARBOARD SIDE, is the ventilation  
 generators satisfactory YES are they clear of all inflammable material YES if situated near unprotected other combustible material, state distance of same horizontally from or vertically above the generators and  
 protected from mechanical injury and damage from water, steam or oil YES are their axes of rotation fore and aft YES  
 are the bedplates and frames of the generating plant efficiently earthed YES are the prime movers and their respective generators fact YES Main Switch Boards, where placed IN ENGINE ROOM

If the generators and main switchboard are not placed in the same compartment, is each generator provided with insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard

Is, are they placed in accessible positions, free from inflammable gases and acid fumes YES, are they protected from mechanical damage from water, steam or oil YES, if situated near unprotected woodwork or other combustible material, state distance of same

or vertically above the switchboards and YES, are they constructed wholly of durable, non-ignitable non-absorbent YES, is all insulation of high dielectric strength and of permanently high insulation resistance YES

roved type YES, if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other insulating material, and the slab similarly insulated from its framework YES, is the non-hygroscopic insulating material of an approved

, and is the frame effectively earthed YES Are the fittings as per Rule regarding :— spacing or shielding of live parts

STANDARDS, accessibility of all parts A.I.E.E. STANDARDS, absence of fuses on back of board YES, temperature rise of

A.I.E.E. STANDARDS, individual fuses to voltmeter, pilot or earth lamp YES, are moving parts of switches alive in the NO are all screws and nuts securing connections effectively locked YES are any fuses fitted on the live side of

NO Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches GENERATORS: THREE POLE LINKED CIRCUIT BREAKERS WITH OVERLOADS AND REVERSE POWER TRIPS AND THREE TIPPING SWITCHES. 55 KVA EXCITERS: D.P. LINKED BREAKER WITH OVERLOADS AND SELECTOR SWITCH, 75 KVA P.D.T. SWITCH. OUTGOING CIRCUITS, TWO & THREE POLE LINKED CIRCUITS BREAKERS. Are cupboards or compartments containing switchboards composed of

material or lined with approved material YES Instruments on main switchboard 2300 VOLT PANEL 10 Ammeters 4

synchronising device for paralleling purposes. For compound machines is the ammeter connected on the opposite pole to equaliser connection

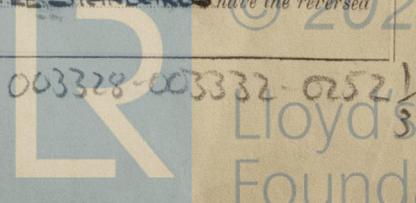
Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

EARTH LAMPS

Switches, Circuit Breakers and Fusible Cut-outs,

with the requirements of the Rules A.I.E.E. STANDARDS are the fusible cutouts of an approved type A.I.E.E. STANDARDS have the reversed

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current protection devices been tested under working conditions **YES**

**YES**

**Joint Boxes, Section and Distribution Boards**, is the

**A.I.E.E. STANDARDS**

**Cables:** Single, twin, ~~concentric~~, or multicore **YES**

are the cables insulated and protected as per Tables IV, V, X or XI of the Rules **A.I.E.E. STANDARDS**

If the cables are insulated otherwise than as per Rule, are they of an approved type **YES**

**Fall of Pressure**, state maximum between bus bars and

**Cable Sockets**, are the ends of all cables having a sectional

area of 0.04 square inch and above provided with ~~plating~~ sockets **YES**

**Paper Insulated and Varnished Cambric Insulated Cables**.

If conductors are paper or varnished cambric insulated, is the dielectric at the exposed ends of the conductor protected from moisture by being suitably sealed with insulating compound **YES**, or waterproof insulating tape **YES**

**Cable Runs**, are the cables fixed as far as possible in accessible positions not exposed to drip or accumulation of water or oil, or to high temperature from boilers, steam pipes, uptakes or other hot objects, or to avoidable risk of mechanical damage **YES**

Are cables in machinery spaces, galleys, laundries, bathrooms and lavatories lead covered or run in conduit **LEAD COVERED**

**Support and Protection of Cables**, state how the cables are supported and protected **MAIN FEEDER CABLES LEAD COVERED AND BASKET WEAVE ARMoured RUN IN CONDUIT OR DECK SUPPORTED BY STRAPS UNDER FORE & AFT WALK WAY CABLES IN ACCOMMODATION AND ENGINE ROOM CLIPPED TO BRACKETS AND BULKHEADS. MAIN PROPULSION CABLES SUPPORTED ON CLEATS**

If cables are run in wood casings, are the casings and caps secured by screws **YES**, are the cap screws of brass **YES**, are the cables run in separate grooves **YES**

If armoured and lead covered cables are secured by metal clips, are the clips spaced as per Table VIII **A.I.E.E. STANDARDS**

**Refrigerated Chambers**, are the cables and fittings in accordance with the special requirements **YES**

**Joints in Cables**, state if any, and how made, insulated, and protected **IN JUNCTION BOXES**

**Watertight Glands and Deck Tubes**, are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands **YES**

Bushes in Beams and Non-watertight Partitions, where unarmoured cables pass through beams and non-watertight partitions, are the holes efficiently bushed **YES**

state the material of which the bushes are made **LEAD BUSHES & STEEL COLLARS**

**Earthing Connections**, state what earthing connections are fitted and their respective sectional areas **CABLES EFFECTIVELY EARTHED**

**Alternative Lighting**, are the groups of lights in the propelling machinery space arranged as per Rule **YES**

**Emergency Supply**, state position and method of control of the emergency supply and how the generator is driven **DIESEL DRIVEN EMERGENCY GENERATOR, ON**

**POOP DECK PORT SIDE WHICH CAN BE CONNECTED TO MAIN BUS BARS THROUGH TRIPLE ISOLATING SWITCH.**

**Navigation Lamps**, are these separately wired **YES**, controlled by separate switch and separate fuses **YES**

are the switches and fuses grouped in a position accessible only to the officers on watch **WHEELHOUSE**

has each navigation lamp an automatic indicator as per Rule **YES**

**Secondary Batteries**, are they constructed and fitted as per Rule

**Fittings**, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, watertight **YES**

are any fittings placed in spaces in which goods are liable to be stacked in close proximity to them; if so, how are they protected

are any fittings placed in spaces where inflammable or explosive dust or gases are liable to be present, if so, how are they protected **BULKHEAD**

**FITTINGS IN PUMP ROOMS**

**THE OUTSIDE COMPARTMENTS**

where are the controlling switches situated **OUTSIDE COMPARTMENTS**

are all fittings suitably ventilated **YES**, are all switches and lampholders constructed wholly of non-ignitable, non-absorbent materials **YES**

**Heating and Cooking Appliances**, are they constructed and fitted as per Rule **A.I.E.E. STANDARDS** are air heaters constructed and fitted as per Rule

**Searchlight Lamps, No. of**, whether fixed or portable **YES**, are their fittings as per Rule

**Arc Lamps**, other than searchlight lamps, No. of **YES**, are their live parts insulated from the frame or case **YES**, are their fittings as per Rule

**Motors**, are their working parts readily accessible **YES**, are the coils self-contained, and readily removable for replacement **YES**

are the brushes, brush holders, terminals and lubricating arrangements as per Rule **A.I.E.E. STANDARDS**, are the motors placed in well-ventilated compartments in which

inflammable gases cannot accumulate and clear of all inflammable material **YES**

are they protected from mechanical injury and damage from water, steam or oil **YES**

are their axes of rotation fore and aft **WHERE POSSIBLE**, if situated near unprotected woodwork or other combustible

material, are the motors of the totally enclosed, pipe ventilated, forced draught, drip or flame proof type **Drip Proof and TOTALLY ENCLOSED**

, if not of this type, state distance of the combustible material horizontally or vertically above the motors **and**

have machines of over 100 BHP been inspected by the Surveyors during manufacture and testing **NO**

**Control Gear and Resistances**, are the generator field and motor speed regulators, starters and controllers constructed and fitted as per Rule **A.I.E.E. STANDARDS**

**Lightning Conductors**, where lightning conductors are required, are these fitted as per Rule **YES**

**Ships carrying Oil having a Flash Point less than 150° F.** Have the special requirements of

the Rules been complied with regarding switches, joint boxes, section and distribution boards, protection of cables, method of distribution, lead of cables, lights and

fittings **YES**

are all fuses of the filled cartridge type **YES**

are they of an approved type **A.I.E.E. STANDARDS**

If portable lamps for use in dangerous spaces are supplied, are they of a self-contained, battery-fed type approved by the Home Office **NO**

**Spare Gear**, if the vessel is for open sea service have spares been supplied as per Rule **PARTICULARS NOT AVAILABLE AT TIME OF SURVEY**

DESCRIPTION	NO. OF CONDUCTORS (PAIRS)	NO. & NO. S. NO.	TOTAL NOMINAL AREA PER POLE SQ. INS.	COMPOSITION OF STRAND	NO. DIAMETER	CIRCUIT	TOTAL MAXIMUM CURRENTS AMPS	A.I.E.E. RULE	APP LENGTH LEAD & RETURN	PROTECTED
2-STRIPPING PUMPS (EACH)	1	1	.0521	7 .097	61	✓	99	-	"	W.C. LC & BASKET WEAVE ARMoured
3-CARGO PUMPS (EACH)	1	1	.3535	37 .110	243	✓	367	-	"	"
2-OIL CIRC.PUMP (EACH)	1	1	.0261	7 .068	40	✓	65	-	"	"
2-MAIN CONDENSATE PUMPS (EACH)	1	1	.0206	7 .061	31	✓	555	-	"	"
2-FIRE PUMPS (EACH)	1	1	.0521	7 .097	605	✓	99	-	"	"
2-ENGRM VENT FANS (EACH)	1	1	.0051	7 .030	3	✓	22	-	"	"
REFRIG. POWER (EACH)	-	1	.0072	7 .087	23	✓	30	-	"	"
2-REFRIG COMPRES (EACH)	1	1	.0051	7 .030	28	✓	22	-	"	"
REFRIG. CIRC.PUMP (EACH)	1	1	.0051	7 .030	1	✓	22	-	"	"
ATMOS.DRAIN & REC.PUMP (EACH)	1	1	.0051	7 .030	3	✓	22	-	"	"
SALTWATER PUMP (EACH)	1	1	.0051	7 .030	11	✓	22	-	"	"
AFT DRINKING WATER PUMP (EACH)	1	1	.0051	7 .030	16	✓	22	-	"	"
DRINKING WATER PUMP (EACH)	1	1	.0051	7 .030	16	✓	22	-	"	"
SOUNDING MACHINE (FAN)	1	1	.0032	7 .024	16	✓	22	-	"	"
MOTOR COOLING (EACH)	1	1	.013	7 .047	20	✓	41	-	"	"
SHAFT TURNING GEAR (EACH)	1	1	.0051	7 .030	75	✓	22	-	"	"
COMBUSTION CONTROL (EACH)	1	1	.013	7 .047	20	✓	41	-	"	"
PUMP RM EXH.BLOWER (EACH)	1	1	.0051	7 .030	2	✓	22	-	"	"
LATHES (EACH)	1	1	.0051	7 .030	3	✓	22	-	"	"
DRILL PRESS (EACH)	1	1	.0051	7 .030	16	✓	22	-	"	"
GRINDER (EACH)	1	1	.0051	7 .030	46	✓	22	-	"	"



15  
180  
800  
A15

PARTICULARS OF GENERATING PLANT.

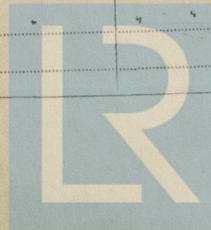
DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	2	400	450	642	1200	STEAM TURBINE	-	-
EXCITERS	2	75	110	672	1200	"	"	"
EMERGENCY EXCITERS	2	55	120	458	1200	"	"	"
EMERGENCY	1	75	450	136	900	DIESEL ENGINE	DIESEL OIL ABOVE 150° F.	
ROTARY TRANSFORMER								

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT AMPERES. Circuit. A.I.F.E. Rule.	Approximate Length (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
	No. per Pole.	Total Nominal Area per Pole Sq. Ins.	No.	Diameter.				
MAIN GENERATORS	1	.7854	61	.128	642 ✓ 764	-	V.C.	L.C. & BASKET WEAVE ARMED
SKINS EXCITERS	1	.7854	61	.128	672 ✓ 764	-	" "	" "
ROTATIONAL CONNECTIONS	1	.5890	61	.110	458 ✓ 705	-	" "	" "
SKINS EXCITERS	1	.5890	61	.110	458 ✓ 705	-	" "	" "
EMERGENCY GENERATOR	2	2.3552	91	.128	1315 ✓ 2272	-	" "	" "
SO KNS PRODUCTION	2	2.3552	91	.128	1160 ✓ 2272	-	" "	" "
EMERGENCY GENERATOR	2	2.3552	91	.128	1160 ✓ 2272	-	" "	" "
EMERGENCY PROPULSION	2	2.3552	91	.128	1160 ✓ 2272	-	" "	" "
MOTOR	1	.1318	12	.024	151 ✓ 185	-	" "	" "
TRANSFORMER	1	.0521	7	.027	70 ✓ 22	-	" "	L.C. & BASKET WEAVE ARMED
ENGINE ROOM	1	.0206	7	.051	35 ✓ 55.5	-	" "	" "
BOILER ROOM	1	.1045	12	.083	150 ✓ 158	-	" "	" "
EMERGENCY	1	.0521	7	.027	58 ✓ 22	-	" "	" "
SWITCHBOARDS	1	.0521	7	.027	600 ✓ 466	-	" "	" "
140/230 VOLTS	1	.0521	7	.027	70 ✓ 99	-	" "	" "
GYLERY TRANSFORMERS	1	.0521	7	.027	70 ✓ 99	-	" "	" "
140 VOLTS	1	.5100	61	.103	400 ✓ 466	-	" "	" "
SHORE COMM. BOX	1	.0521	7	.027	50 ✓ 65	-	" "	" "
SHIP & FOSSLE LTD.	1	.0261	7	.068	50 ✓ 65	-	" "	" "
ST. DK. QRTS. LTD.	1	.0261	7	.068	50 ✓ 65	-	" "	" "
POWER DR. QRTS. LTD.	1	.0521	7	.027	70 ✓ 99	-	" "	" "
EMERGENCY GENERATOR	1	.1	19	.083	136 ✓ 1424	-	VIR	ARMOURED
ACCOMMODATION	1	.0032	.	.024	15 ✓ 11.5	-	R.I.	" "
BATTERY CHARGER	1	.0032	.	.024	15 ✓ 11.5	-	" "	" "
450/120 VOLTS	1	.0521	7	.027	70 ✓ 99	-	V.C.	" "
LTC TRANSFORMERS	1	.0082	7	.038	25 ✓ 30	-	V.C.	" "
NAVIGATION LTC	1	.0082	7	.038	50 ✓ 65	-	" "	" "
WIRELESS	1	.0261	7	.068	50 ✓ 65	-	" "	" "
SEARCHLIGHT	1	.0032	7	.024	45 ✓ 11.5	-	R.I.	" "
MASTHEAD LIGHT	1	.0032	7	.024	45 ✓ 11.5	-	R.I.	" "
SIDE LIGHTS	1	.0032	7	.024	45 ✓ 11.5	-	V.C.	" "
110' SHORE CONN.	1	.5100	61	.103	400 ✓ 466	-	" "	" "
COMPASS LIGHTS	1	.0032	7	.024	45 ✓ 11.5	-	V.C.	" "
POOP LIGHTS	1	.0082	7	.038	15 ✓ 30	-	V.C.	" "
GYRO COMPASS	1	.0082	7	.038	15 ✓ 30	-	" "	" "
Gyro Lights	1	.0414	7	.086	55 ✓ 88	-	" "	" "
2 GALLEY RANGES (EA)	1	.0414	7	.086	55 ✓ 88	-	" "	" "
2 AD. LAMPS (EA)	1	.0414	7	.086	55 ✓ 88	-	" "	" "
HEATERS	1	.0032	.	.024	15 ✓ 11.5	-	" "	" "

MOTOR CONDUCTORS.

DESCRIPTION.	No. of Motors.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT AMPERES. In Circuit. A.I.F.E. Rule.	Approximate Length (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
		No. Per Pole.	Total Nominal Area per Pole Sq. Ins.	No.	Diameter.				
BALLAST PUMP	1	1	.0082	7	.038	14.5 ✓ 30	-	V.C.	" "
2 MAIN BILGE LINE PUMPS (EA)	1	1	.0082	7	.038	10 ✓ 30	-	" "	" "
GENERAL SERVICE PUMP	1	1	.0082	7	.038	11 ✓ 22	-	" "	" "
EMERGENCY BILGE PUMP	1	1	.0082	7	.038	11 ✓ 22	-	" "	" "
SANITARY PUMP	1	1	.0082	7	.038	150 ✓ 270	-	" "	" "
CIRC. SEA WATER PUMPS	1	1	.2355	37	.090	150 ✓ 270	-	" "	" "
CIRC. FRESH WATER PUMPS	1	1	.0051	7	.030	6.9 ✓ 22	-	" "	" "
AIR COMPRESSOR	1	1	.0051	7	.030	3 ✓ 22	-	" "	" "
2 FRESH WATER PUMP (EA)	1	1	.0051	7	.030	4.5 ✓ 22	-	" "	" "
ENGINE TURNING GEAR	1	1	.0051	7	.030	7.5 ✓ 22	-	" "	" "
ENGINE REVERSING GEAR	1	1	.0051	7	.030	7.5 ✓ 22	-	" "	" "
2 LUBRICATING OIL PUMPS (EA)	1	1	.013	7	.047	11 ✓ 41	-	" "	" "
2 OIL FUEL TRANSFER PUMP (EA)	1	1	.013	7	.047	11 ✓ 41	-	" "	" "
WINCHES, SERVICE PUMPS (EA)	1	1	.0051	7	.030	11 ✓ 22	-	" "	" "
WINCHES, FORWARD	1	1	.0051	7	.030	11 ✓ 22	-	" "	" "
WINCHES, AFT	1	1	.0051	7	.030	11 ✓ 22	-	" "	" "
STEERING GEAR									
(a) MOTOR GENERATOR									
2 (b) MAIN MOTORS (EA)	1	1	.0206	7	.061	46 ✓ 55.5	-	" "	" "
WORKSHOP MOTORS	1	1	.0082	7	.038	10 ✓ 30	-	" "	" "
ENG. ROOM VENTILATING FANS (EA)	1	1	.0051	7	.030	3 ✓ 22	-	" "	" "
2 VENTILATION (QRTS)	1	1	.0051	7	.030	2.5 ✓ 22	-	" "	" "
2 EVAP FEED PUMP (EA)	1	1	.0051	7	.030	1.5 ✓ 22	-	" "	" "
3 FORCED DRAUGHT FANS (EA)	1	1	.0820	19	.074	54 ✓ 134	-	" "	" "
LUB. OIL SEPARATOR	1	1	.0051	7	.030	3 ✓ 22	-	" "	" "
AVX. CONDENSATE PUMP	1	1	.013	7	.047	20 ✓ 41	-	" "	" "



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All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electrotechnical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

Electrical Engineers.

Date 7. 9. 48

COMPASSES.

Distance between electric generators or motors and standard compass

26 FEET

Distance between electric generators or motors and steering compass

20 FEET

The nearest cables to the compasses are as follows :—

A cable carrying 25 Ampères 75 feet from standard compass 75 feet from steering compass.

A cable carrying 1 Ampères 6 feet from standard compass 4 feet from steering compass.

A cable carrying 10 Ampères 6 feet from standard compass 6 feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power YES

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted YES

The maximum deviation due to electric currents was found to be NIL degrees on ANY course in the case of the standard compass, and NIL degrees on ANY course in the case of the steering compass.

Builder's Signature.

Date

Is this installation a duplicate of a previous case YES If so, state name of vessel ALABAMA BUILT T2 TANKER

General Remarks (State quality of workmanship, opinions as to class, &c.)

THE ELECTRICAL INSTALLATION OF THIS VESSEL HAS BEEN BUILT UNDER THE SURVEY AND TO THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING. THE ORIGINAL PLANS OF THE INSTALLATION ARE NOT AVAILABLE, THE DIMENSIONS STATED IN THIS REPORT HAVE BEEN TAKEN FROM A SIMILAR INSTALLATION. THESE DIMENSIONS HAVE BEEN CHECKED ON THE SHIP AS FAR AS POSSIBLE AND FOUND CORRECT.

THE INSTALLATION HAS BEEN SPECIALLY EXAMINED AND FOUND TO BE IN ACCORDANCE WITH A.I.E.E. STANDARDS AND GENERALLY IN ACCORDANCE WITH THE RULES EXCEPT AS NOTED HEREAFTER.

① NO OVERLOAD OR SHORT CIRCUIT PROTECTION IS PROVIDED ON MAIN PROPULSION UNITS.

② NO OVERLOAD OR SHORT CIRCUIT PROTECTION IS PROVIDED ON THE 75 KVA EXCITER GENERATOR USED FOR MAIN PROPULSION EXcitation.

③ MAIN PROPULSION CABLE HAS NO LEAD ALLOY SHEATH (BOAIDED ARMOUR OUTSIDE)

THE MATERIALS & WORKMANSHIP ARE GOOD, THE INSTALLATION HAS BEEN MECCER TESTED THROUGHOUT, EXAMINED UNDER WORKING CONDITIONS AND FOUND TO BE SATISFACTORY.

In my opinion the electrical installation is such as could be accepted by the Committee for Classification.

Total Capacity of Generators 6535 Kilowatts.

The amount of Fee £ 30 : 0 : 0 When applied for,  
Travelling Expenses (if any) £ : : When received:

Committee's Minute

WED 6 OCT 1948

Assigned

As now

subject

Write Off

and

Thomas Donaldson  
Surveyor to Lloyd's Register of Shipping.

WED. 20 OCT 1948

As now,

subject (amended)

and off

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