

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

31 MAY 1950

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 No. in Survey held at HAVERTON HILL - ON - TEES. Date, First Survey 10.1.50 Last Survey 9.5.1950  
 Reg. Book. (No. of Visits 16)

36201. on the M.V. "BRITISH GENERAL"Tons { Gross.....  
Net.....Built at HAVERTON HILL - ON - TEES. By whom built FURNESS SHIPBUILDING CO. Yard No. 434 When built 1950.Owners BRITISH TANKER CO. LTD. Port belonging to LONDON.Installation fitted by FURNESS SHIPBUILDING CO. LTD. When fitted 1950.Is vessel equipped for carrying Petroleum in bulk YES Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. - Radar YESPlans, have they been submitted and approved YES System of Distribution TWO WIRE Voltage of Lighting 110Heating 110 Power 110 D.C. or A.C., Lighting D.C. Power D.C. 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.if not compound wound state distance between generators - and from switchboard - Are the generators arranged to run in parallel YES. 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 - Have certificates of test for machines under 100 kw. been supplied YES. and the results found as per Rule YES.Position of Generators ENGINE STARTING PLATFORM LEVEL, FORWARD OF MAIN ENGINES.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 ON PLATFORM ABOVEGENERATORS, ARRANGED THWAIRSHIP'S FACING AFT.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 SINDANYO EBONY FINISH. if of synthetic insulatingmaterial 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 construction as per Rule, including locking of screws and nuts YES Description of Main Switchgearfor each generator and arrangement of equaliser switches TRIPLE POLE AIR BREAK CIRCUIT BREAKER WITH OVERLOAD AND TIME DELAYS ON TWO POLES, REVERSE CURRENT TRIP, NO-VOLT COIL RELEASE, AND THIRD POLE CONNECTED TO EQUALISER.and the switch and fuse gear (or circuit breakers) for each outgoing circuit TRIPLE POLE DOUBLE THROW AND DOUBLE POLE SINGLE THROW QUICK BREAK KNIFE SWITCH AND DOUBLE POLE FUSES. (TRIPLE POLE C.O. SWITCH INTERLOCKED WITH GENERATOR CIRCUIT BREAKERS)Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES. Instruments on main switchboard 3 ammeters 4 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reversed currentprotection devices connected on the pole opposite to the equaliser connection YES. Earth Testing, state means provided EARTH LAMPS COUPLED TO EARTH THROUGH SWITCHES AND FUSES.Switches, Circuit Breakers and Fuses, are they as per Rule YES. are the fuses an Approved Type YES.make of fuses SIEMENS 'Z' are all fuses labelled YES If circuit breakers are provided for the generators, at what overload do they operate 25% and at what current do the reversed current protective devices operate 10%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 -state maximum fall of pressure between bus bars and any point under maximum load < 6.6 V. 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 insulatedcables 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 theyadequately protected - Are cables in machinery spaces, galleys, laundries, etc., lead covered YES or run in conduit -or of the "HR" type - State how the cables are supported or protected FORWARD MAINS CLIPPED TO SOLID STEELPLATES ON FORE AND AFT GANGWAY AND COVERED WITH SOLID PLATE. GENERATOR MAINS AND CABLES IN ENGINE ROOM CLIPPED TO STEEL PLATE AND PERFORATED STEEL TRAY PLATES. L.C. CABLES IN ACCOMMODATION CLIPPED TO WOOD GROUNDS.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 holeseffectively bushed YES. Refrigerated chambers, are the cables and fittings as per Rule YES.



### PARTICULARS OF GENERATING PLANT.

## GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.							
ENGINE ROOM CRANE.	1	3	1	7/044	26.5 ✓	45	150	Y.C.	L.C.A. 4 B.
BOILER ROOM FORCED DRAUGHT FAN.	1	7	1	7/064	67.0 ✓	60	300	Y.C.	L.C.A. 4 B.
FUEL OIL PURIFIER.	1	2.5	1	7/036	22.0 ✓	24	150	Y.I.R.	L.C.A. 4 B.
LUB. OIL PURIFIERS.	2	2.5	1	7/036	22.0 ✓	24	170/180	Y.I.R.	L.C.A. 4 B.
S.W. CIRCULATING PUMP.	1	2.5	1	7/036	21.5 ✓	24	140	Y.I.R.	L.C.A. 4 B.
PRIMING PUMP.	1	1.5	1	7/036	13.2 ✓	24	170	Y.I.R.	L.C.A. 4 B.
F.W. PUMPS. NOS. 1 & 2.	2	0.75	1	3/036	7.5 ✓	10	40/40	Y.I.R.	L.C.A. 4 B.
UNIVERSAL MACHINE TOOL	1	3.0	1	7/036	26 ✓	24	50	Y.I.R.	L.C.A. 4 B.
GRINDER.	1	1.5	1	7/036	16 ✓	24	120	Y.I.R.	L.C.A. 4 B.
REFRIG. COMPRESSORS 1 & 2	2	4.0	1	7/044	35 ✓	45	60/80	Y.C.	L.C.A. 4 B.
REFRIG. PUMP.	1	1.0	1	3/036	8 ✓	10	220	Y.I.R.	L.C.A. 4 B.
REFRIG. FAN.	1	0.25	1	3/029		5		Y.I.R.	L.C.A. 4 B.
BOAT HOISTS, PORT & STBD.	2	7.5	1	7/064	65 ✓	80	120/170	Y.C.	L.C. 4 B.
THERMOTANKS NOS. 3 & 4	2	2.5	1	7/036	21 ✓	24	140/110	Y.I.R.	L.C. 4 B.
ENGINE ROOM SUPPLY FAN.	1	1.5	1	7/029	12.4 ✓	15	130	Y.I.R.	L.C. 4 B.
BOILER ROOM SUPPLY FAN.	1	1.5	1	7/029	12.4 ✓	15	140	Y.I.R.	L.C. 4 B.
GALLEY VENT FANS	2	0.2	1	3/029	1.9 ✓	5	60/60	Y.I.R.	L.C.A. 4 B.
YEG. ROOM FAN.	1	0.25	1	3/029	2.5 ✓	5	80	Y.I.R.	L.C.A. 4 B.
REFRIG. MCHY VENT NO. 4.	1	0.25	1	3/029	3.2 ✓	5	90	Y.I.R.	L.C.A. 4 B.
GALLEY BLOWER	1	0.25	1	3/029	2.6 ✓	5	80	Y.I.R.	L.C.A. 4 B.
MIXING MACHINE	1	0.5	1	3/036	5.7 ✓	10	80	Y.I.R.	L.C.A. 4 B.
BOAT HOIST MACHINES PORT & STBD.	2	7.5	1	7/064	65 ✓	80	90/170	Y.C.	L.C. 4 B.
THERMOTANK NOS. 1 & 2	2	2.5	1	7/044	21 ✓	45	160/180	Y.C.	L.C. 4 B.