

REPORT ON STEAM TURBINE MACHINERY.

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Date of writing Report 20th Mar 45 When handed in at Local Office 24th Mar 45 Port of MIDDLESBROUGH.
 No. in Survey held at MIDDLESBROUGH. Date, First Survey 18th Sept. 1944 Last Survey 8th March, 1945, (Number of Visits 50)
 Reg. Book. on the s.s. "WAVE GOVERNOR". Tons { Gross 8196 Net 4568
 Built at Haverton Hill-on-Tees. By whom built Furness Shipbuilding Co. Ltd. Yard No. 362 When built 1945-5
 Engines made at West Hartlepool. By whom made Richardsons Westgarth & Co. Ltd. Engine No. 2751 When made 1945
 Boilers made at -do- By whom made -do- Boiler No. 2751 When made 1945
 Shaft Horse Power at Full Power 6800 Owners The Admiralty. Port belonging to LONDON.
 Nom. Horse Power as per Rule 1220 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

STEAM TURBINE ENGINES, &c.—Description of Engines No. of Turbines Ahead _____ Astern _____
 Direct coupled, single or double reduction geared to _____ propelling shafts. No. of primary pinions to each set of reduction gearing _____, direct coupled to _____ phase
 periods per second, Alternating Current Generator rated _____ Kilowatts _____ Volts at _____ revolutions per minute; for supplying power for driving
 Propelling Motors. Propelling Motors, Type _____
 rated _____ Kilowatts _____ Volts at _____ revolutions per minute. Direct coupled, single or double reduction geared to _____ propelling shafts.

ARTICULARS OF TURBINE BLADING.

	H.P.			I.P.			L.P.			ASTERN.		
	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.
1st EXPANSION												
2nd												
3rd												
4th												
5th												
6th												
7th												
8th												

Shaft Horse Power at each turbine _____ Revolutions per minute, at full power, of each Turbine Shaft _____
 main shaft Pitch Circle Diameter, 1st pinion _____ 2nd pinion _____ 1st reduction wheel _____ main wheel _____
 Width of Face, 1st reduction wheel _____ main wheel _____ Distance between centres of pinion and wheel faces and the centre of the adjacent bearings,
 1st pinion _____ 2nd pinion _____ 1st reduction wheel _____ main wheel _____ Flexible Pinion Shafts, diameter 1st _____ 2nd _____
 Pinion Shafts, diameter at bearings External 1st { _____ 2nd { _____ diameter at bottom of teeth of pinion 1st _____ 2nd _____
 Internal _____
 Wheel Shafts, diameter at bearings, 1st _____ main _____ diameter at wheel shroud, 1st _____ main _____
 Generator Shafts, diameter at bearings _____ Propelling Motor Shafts, diameter at bearings _____
 Main Shafting, diameter of Tunnel Shafting as per rule _____ as fitted _____ diameter of Thrust Shafting as per rule _____ as fitted _____
 diameter of Screw Shaft as per rule _____ as fitted _____ SEE Is the screw shaft fitted with a continuous liner the whole length of the stern tube _____ Is the after end of the liner
 made watertight in the propeller boss _____ If the liner is in more than one length are the joints burned _____ If the liner does not fit tightly at the
 part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive _____ If two liners are fitted, is the
 shaft lapped or protected between the liners _____ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently
 lubricated _____ Length of Stern Bush _____ Diameter of Propeller _____
 Pitch of Propeller _____ No. of Blades _____ State whether Moveable _____ Total Surface _____ square feet. If Single Screw, are
 arrangements made so that steam can be led direct to the L.P. Turbine, and either the H.P. or I.P. Turbine can exhaust direct to the Condenser _____
 No. of Turbines fitted with astern wheels _____ Total number of power driven Main and Auxiliary Pumps _____
 No. and size of Feed Pumps _____ How driven _____ No. and size of Pumps connected to the Main Bilge Line _____
 How driven _____ No. and size of Ballast Pumps _____ No. and size of Lubricating Oil Pumps, including _____
 Spare Pump _____ Are two independent means arranged for circulating water through the Oil Cooler _____ No. and size of suction _____
 connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room _____ and in Holds, &c. _____
 No. and size of Main Water Circulating Pump Bilge Suctions _____ No. and size of Donkey Pump Direct Suctions _____
 to the Engine Room Bilges _____ Are all the bilge suction pipes in holds and tunnel well fitted with strum-bones _____
 Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges _____
 Are all connections with the sea direct on the skin of the ship _____ Are they Valves or Cocks _____
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates _____ Are the Discharge Pipes above or below the deep water line _____
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel _____ Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
 What pipes are carried through the bunkers _____ How are they protected _____
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
 Is the arrangement of valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
 compartment to another _____ Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

BOILERS, &c.—(Letter for record _____) Total Heating Surface of Boilers _____ Working Pressure _____
 Is Forced Draft fitted _____ No. and Description of Boilers _____

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