

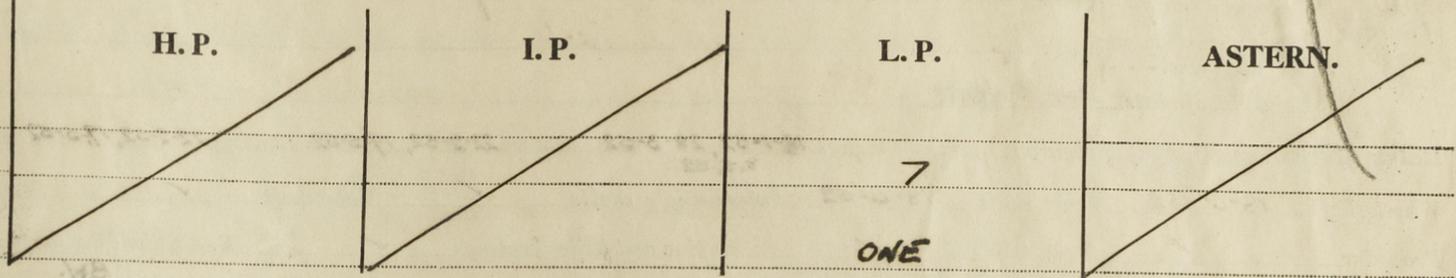
Report on Steam Turbine Machinery.

No. 1000015

Received at London Office
 Survey Report 19... When handed in at Local Office **26 AUG 1952** Port of **Newcastle-on-Tyne**
 Survey held at **Walker-on-Tyne** Date First Survey **18-1-52** Last Survey **24-6-1952**
 (Number of Visits **9**)
 on the **BAUER-WACH 190** Tons Gross
West Hartlepool By whom built **Central Marine Engine Works** Yard No. **1254** When built **1952**
 made at **West Hartlepool** By whom made **Central Marine Engine Works** Engine No. **1254** When made **1952**
 made at **Walker-on-Tyne** By whom made **S. & W. Richards** Boiler No. **190** When made **1952**
 Horse Power at Full Power **918** Owners... Port belonging to...
 Horse Power as per Rule **153** Is Refrigerating Machinery fitted for cargo purposes... Is Electric Light fitted...
 for which Vessel is intended...

TURBINE ENGINES, &c.—Description of Engines **BAUER-WACH I.P. TURBINE WITH D.R. GEARING & HYD. COUPLING**

Ahead... **ONE** Direct coupled, single reduction geared to **ONE** propelling shafts. No. of primary pinions to each set of reduction gearing **ONE**
 Astern...
 Alternating Current Generator... phase... periods per second... rated... Kilowatts... Volts at... revolutions per minute;
 Direct Current Generator...
 Propelling Motors, Type...
 Kilowatts... Volts at... revolutions per minute. Direct coupled, single or double reduction geared to... propelling shafts.



Horse Power at each turbine
 H.P. **918** I.P. **918** L.P. **918** ASTERN **918**
 Revolutions per minute, at full power, of each Turbine Shaft
 H.P. **1627** I.P. **1627** L.P. **3673** ASTERN **81.5**
 Shaft diameter at journals
 H.P. **211.79 m/m** I.P. **380.14 m/m** L.P. **212.486 m/m** ASTERN **280 m/m**
 Pitch Circle Diameter
 H.P. **295 m/m** I.P. **255 m/m** L.P. **540 m/m** ASTERN **1655 m/m**
 Between centres of pinion and wheel faces and the centre of the adjacent bearings
 H.P. **130 m/m** I.P. **440 m/m** L.P. **550 m/m** ASTERN **550 m/m**
 Pinion diameter
 H.P. **150 m/m** I.P. **350 m/m** L.P. **197.146 m/m** ASTERN **365.494 m/m**
 Pinion Shafts, diameter at bearings
 H.P. **260 m/m** I.P. **285 m/m** L.P. **1550 m/m** ASTERN **2015 m/m**
 Generator Shaft, diameter at bearings...
 Propelling Motor Shaft, diameter at bearings...
 Thrust Shaft, diameter at collars
 as per rule **13.65**
 as fitted **14.37**
 Is the tube/screw shaft fitted with a continuous liner...
 Thickness between bushes...
 Is the after end of the liner made watertight in the boss...
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner...
 Is the space charged with a plastic material insoluble in water and non-corrosive...
 Is an approved Oil Gland or other appliance fitted at the after end of the tube...
 Length of Bearing in Stern Bush next to and supporting propeller...
 State whether Moveable... Total Developed Surface... square feet.
 Can the H.P. or I.P. Turbines exhaust direct to the...
 No. of Turbines fitted with astern wheels... Feed Pumps...
 Connected to the Main Bilge Line...
 Lubricating Oil Pumps, including Spare Pump, No. and size **2 - 10" x 9" x 24"**
 Suctions, connected both to Main Bilge Pumps and Auxiliary...
 Independent Power Pump Direct Suctions to the Engine Room...
 Are all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes...
 Are they fitted with Valves or Cocks...
 Are the Overboard Discharges above or below the deep water...
 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 plate...
 How are they protected...
 Have they been tested as per rule...
 Are they accessible at all times...
 Is the Shaft Tunnel watertight... Is it fitted with a watertight door...
 Total Heating Surface of Boilers...
 Working Pressure...
 No. and Description of Boilers...
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