

Steel S.S. "Boden", No. 15806 in the Reg. Book.

A water service - drinking pump removed.

Boilers - 10 plain and 2 stay tubes in centre most of tubes of centre boiler removed. A new inner furnace has been fitted.

Asunder

All T pieces and valve chests in contact with superheated steam excepting the manoeuvring valve chest, have been fitted now of cast steel and all pipes, valve chests and T-pieces have been tested in my presence to 40 kg/cm². The manoeuvring valve seat and bottle valve removed of steel.

An exhaust steam turbine, system Camm. Wach, built and installed onboard by Messrs. Hockmors Mek. Verkstads Aktief. of this port has been fitted.

The turbine has been built under special survey in accordance with plans forwarded with Secretaries letter of the 17th June, 1929, and has been installed onboard and tried under working condition under my supervision and to my satisfaction.

Forging reports of turbine drum, turbine intermediate shaft, hydraulic clutch shaft, pinions and wheel rims, hollow wheel and thrust shafts and coupling piece are enclosed herewith.

The casings etc. of the turbine and gear are tested as follows:-

Servomotor for change over valve to 5 kg/cm².

Setts for hydraulic coupling " 5 "

Change over valve casing " 2 "

Oil cooler " 4 "

Oil filter " 4 "

Hydraulic clutch " 7 "

Regulating valve casing " 4 "

Turbine casing " 2 "

The condenser casing altered to suit the increased area of steam exhaust pipe and the tubes removed. Condenser and exhaust pipes tested to 2 kg/cm².

A feed water heater fitted, the feed piping altered and partly removed and tested to 35 kg/cm².

Spare gear for turbine and gear:- 1 set of bearing bushes for the turbine rotor, hydraulic clutch and gear shaft, 1/2 set of thrust bearing segments or pads for turbine, hydraulic clutch and main thrust bearing, 1/4 set of balls for thrust bearing pads of each size of bearing, 1/2 set of coupling bolts of each size used, 2 studs and nuts for turbine rotor, clutch and gear wheel bearings.

A number of studs and nuts for turbine and gear wheel casing joints.

Spring for the turbine governor, 2 safety valve springs.

Pump valves, thermometers etc. for the oil system.

15 turbine blades of each size and a number of packing pieces.

Repairs effected:-

H piston rod removed as per forging report attached.

The joint between H & I.P. cylinders repacked.

H piston valve rings and cylinders liners removed.

I.P. slide valve and cylinder false face removed.

H & I.P. valve spindles and I.P. piston rod chiselled in lathe.

H & I.P. piston and valve rods fitted with metallic packings.

H piston rings removed.

H crank pin bearing fitted with new white metal.

I.P. crosshead pin and traps removed.

(To be continued.)

Sh. No. 2 due 3.30 Held. L.P. turbine
(Bauerbach system) & Superheater fitted
Various pipes, Valves & renewed in
Cast steel.

It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. 3.30.

②
17/3/30
Add to Engine particulars
"A L.P. Turbine with
D.R. Gearing & Hydraulic
Coupling"

N.H.P. 507



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