

ss EMBANEFT, cont:-

A number of piston rings renewed, all bearings and brasses adjusted as necessary, spare pads fitted in both thrust blocks and existing pads remetalled. On completion of repairs examined the main engines under working conditions also valve gear and reversing gear and found in order. At the occasion of cleaning the exhaust gas fired donkey boilers the tube system has been drawn out and has been examined. It was found satisfactory after a number of tubes in each of the donkey boilers had been renewed.

Alterations:- The three auxiliary Diesel Engines with their resp. generators and 1 auxiliary compressor have been removed from board and 2 new aux. engines with two generators and 1 aux. compressor fitted. The aux. Diesel engines and the aux. compressor have been built by Messrs. Maschinenfabrik Augsburg-Nürnberg A.G. under ~~the~~ Special Survey and the generators by Messrs. Siemens-Schuckertwerke A.G. of Nürnberg. The leading particulars of these engines are as follows:-

Aux. Diesel engines:-

Compressor:-

No. of cylinders 6 each

No. of stages 3

Ø of cylinders 220 mm

Ø of cylinders 85/290/350 mm

Stroke of pistons 330 mm

stroke of pistons 220 mm

Revs per min. 375

R.n.m. 375

Die of crankshaft 130 mm

Working nressure 75 kgs./cm²

Generators:- Compound wound. 875 r.p.m. 115 Volts, 870 Amp. 100 kW

Conductors:- Generators to switchboard: 3 x 240 mm², Composition of strand:

91 x 1.84 mm, Total max. current: 870 Amp. Approx. length: 10 m

Equalizer connections: 2 x 240 mm², further particulars as above. Conductors according to German Standards. After completion of the erection of the new machinery it has been tested under full working conditions and was found satisfactory.

Hamburg, 24th August, 1931.

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