

M. V. "GRENA"

Machy. Cont'd.

Done for L.M.C.:- All main engine cylinders, cylinder heads, valves, valve gear, pistons, rods, guides, guide shoes, connecting rods, top and bottom end pins and brasses, main bearings and journals, columns, sole plates and holding down bolts, attached pumps, thrust shaft and thrust, intermediate shaft and bearings opened up, examined throughout and all found or now placed in good and efficient condition. The Port and Starboard air starting vessels with all mounting examined internally and externally and placed in order. The sea valves and cocks, the condenser, fuel oil pump and heaters, fan and fan engine, condenser circulating pump, three feed pumps, fuel oil transfer pump, bilge sanitary and general service pumps, lubricating oil and main circulating pumps, coolers, auxiliary air compressor and engine, the motor and steam generator engines completely opened up, examined throughout and all placed in order.

The electric generators, motors, switchboards and all wiring throughout the vessel examined, megger tested and placed in order. The fire extinguishing appliances examined and found good and all steam pipes examined and tested.

Done for repairs:- Nos. 1, 3, 4, 5, 7 and 8 cylinder liners removed for examination and Nos. 1, 3, 4, 7 and 8 condemned on account of excessive wear and new liners fitted. Nos. 3 and 5 cylinder heads renewed on account of fractures. No. 8 cylinder head examined and tested and found satisfactory. Marks (Liners) Lloyds 831 - 2 - 3 11-42 C.R.M. and A.O.; (Cylinder heads) Lloyds W.T. 50 lbs. 18 - 12- 42. Fuel oil and feed pump steam and liquid ends rebored, new pistons, rods and neck bushings fitted. The electric generator steam engine H. P. piston rod renewed. L. P. piston machined in way of ring grooves, new rings fitted and the crankshaft lifted, machined in way of all journals and crankpins and all main and crankpin bearings remetalled. The main circulating pump impeller shafts removed, built up where worn in way of packing glands and machined true. All grounds in electrical system removed and all electrical equipment tested out and found satisfactory.

All main and auxiliary machinery tested out under working condition and found satisfactory.

S.R. List:- L.M.C. partly held. Supply spare main engine cylinder cover and liner first opportunity. Examine Nos. 3, 5 and 8 cylinder covers by 10,43 (6 mos. limit)- D.B.S. 12,42 when valves adjusted.

Done:- The L.M.C. now completed. All spare gear now in order. Nos. 3, 5 and 8 cylinder covers examined. Nos. 3 and 5 renewed and No. 8 found satisfactory. The D.B.S. now held in its entirety.

RECEIVED

Notes
Hun
25.1.44
Without Special Circumstances.
No Concludes them as no steam
pipes over 3" bore used for circulation
Liners at Sea but the Shanks
is Confirmed.
No. 10
25.1.44