



Stm Tanker " CLEVELAND "REPAIRS EFFECTED - WEAR AND TEAR. (continuation)Aux: Circulating Pump: Impeller shaft and bearings renewed.For'd Main Feed Pump (Ingersoll Rand).

Impeller and shaft renewed, bearings renewed, eroded casing built up as required. Turbine shaft and bearings renewed.

Aft Feed pump ("Coffin" type) overhauled.Aux Feed pump: Hydraulic piston built up and machined, rings renewed.For'd Ballast Pump: Hydraulic piston renewed, rings renewed.For'd and Aft Bilge and Butterworth pumps: Impellers renewed.For'd and Aft Sanitary pumps: Impellers renewed.For'd and Aft Evaporators: Coils renewed.Evap. Feed Pump: Impellor renewed.For'd O.F. Pump: Shaft machined.Steam stripping pump: Liquid piston built up and machined, rings renewed.BOILERS

Both main boilers and superheaters examined throughout with all mountings and the safety valves adjusted, as above.

The Oil fuel burning installation examined under working conditions, and found in order.

Fire smothering appliances examined and found efficient.

ELECTRICAL INSTALLATION:

Installation examined throughout.

Main Generator and Motor, aux generators, pumps compressors, and steering gear motors etc., examined and found or placed in good condition.

Fittings on main and sub-distribution swithboards and boxes examined and found in order.

Cables examined, and all circuits, generators, motors, heaters, and fittings tested and the resistance found to be not less than 100,000 ohms.

Main and aux units tested during trials, under working conditions and governors, circuit breakers, etc tested and found in order.

MACHINERY

Main and Aux Machinery examined under working condition, including windlass and steering gear and all found in order.

WINDLASS : Cable lifter bushes renewed.

Control-Valve-chest machined, valve renewed.

PORT BOILER: 34 air heater tubes renewed.STBD BOILER: 61 air heater tubes renewed.ELECTRICAL REPAIRS:

Main Generator removed ashore, cleaned sprayed, and insulation resistance found to be 10 megohms.

*L.H. Sullitt*

(P.T.O.)

Stm Tanker " CLEVELAND "ELECTRICAL REPAIRS (continuation)

Two Butterworth pump motors rewound.

All motors cleaned and re-varnished, including the steering gear.

Inboard Generator A.C. Amplidyne rewound fields and armature.

A new D.C. supply to the Navigation lights has been fitted.

The controls for the cargo pump motors have been removed from the position at aft end of fore and aft gangway to a new position more than 10 ft. from the pump room skylight.

The pilot lamp circuits of the motors have been made to conform with the Society's requirements, in accordance with the Circular 1904 and plans forwarded with the Secretary's letter dated 27th. Jan. 1949.

The fittings sockets and switches in the bridge space have not yet been dealt with, flame-proof fittings of a suitable type not being available.

DAMAGE (Time and place not known)

MAIN TURBINE - The first row of turbine blades were found to be slightly damaged, the first three rows of blades had the shrouding turned back, due to the entry of some foreign body into the turbine.

Upon examination this appeared to be a metal joint, parts of which were also found in steam strainer.

As the damage is slight the blades, shrouding, and nozzles, have been cleaned up and the 1st row of blades opened out, and the turbine is considered to be efficient without further repairs at this time.

New blades have been delivered and will be fitted at the earliest opportunity.

The Boiler water gauge valves have been fitted with an indicator showing whether the valve is opened or closed.

Wheels and chains have been fitted to enable these valves to be properly controlled from the platform below.

Drain pipes have not been replaced by solid drain steel tube, such tube not being available at Palermo, this will be done at the 1st. opportunity.

A guard has been fitted to the cover of the Fuel Oil strainer to ensure that the cover cannot be taken off while the strainer is to use.

S.R.L. Both boiler furnaces now re-bricked throughout, it is recommended that the item concerning the furnace throats of the stbd boiler be deleted from the S.R.L.

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