

S. S. MERCATOR,

adjusted under steam as stated above.

The following & other minor repairs effected viz:-

Starboard Boiler port furnace jacked up. Lower manhole door flangings built up by E.W. main check valve spindle & scum valve spindle renewed.

Centre Boiler Port C.C. back plate crossed & part renewed. C.C. stays renewed

Port Boiler I. C.C. stay renewed main stop valve lid, auxiliary check valve lid & seat skimmed.

L.M.C. M.S.

Examined:- main engine cylinders, pistons, valves & their casings, crossheads & brasses, crank thrust & intermediate shafts with their bearings thrust shoes & bottom ends; main engine driven & essential independent pumps, dynamo & fan engines; condensers & steam pipes examined & tested; valves cocks pipes & strainers of pumping arrangements; windlass & steering gear; electrical installation examined & megger tested.

Main & auxiliary machinery examined under working conditions & (in dock) & found satisfactory.

The following & other minor repairs effected;

M.P. piston rod found bent & recommended for renewal the owner's representatives however desired to straighten it & this was agreed to. M.P. piston rod straightened & skimmed up - neck bush renewed.

M.P. slide valve & matchbox machined.

L.P. slide valve machined, slide valve spindle skimmed up & neck & gland bushes renewed, guide lined up, balance piston chamber bored & balance piston & rings renewed.

HP, MP & L.P. crosshead pins skimmed & brasses of MP & L.P. bedded to suit. HP brasses reinstalled.

No 6 Main bearing top half reinstalled.

Reversing engine worm shaft renewed.

Turning engine cylinder bored, pistons & rings renewed, piston rod skimmed, neck & gland bushes renewed, crankpin renewed & bottom end brasses bedded, valve spindle renewed.

Main engine pump levers, out of line, removed ashore, rocking shaft renewed, 4 link pins renewed levers lined up in shop & on board. Pump link brasses renewed.

Air pump rod renewed & valves overhauled.

Auxiliary circulating pump water end renewed

Deckwash pump piston & bucket rods skimmed &

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neck & gland bushes renewed. Buckets renewed, valve gear overhauled & valve spindles renewed. Ballast Pump Cylinder bored, pistons renewed, piston & bucket rods skinned neck & gland bushes renewed - crossheads renewed, water end & buckets renewed, valve gear overhauled & valve spindles renewed.

Duplex feed pump. Cylinder bored pistons renewed piston rods skinned neck & gland bushes renewed, buckets & water end liners renewed.

Wren feed pump Suction & delivery group valves & seats renewed. valve gear overhauled.

Duplex General Service Pump Cylinder bored, pistons renewed, piston rods skinned neck & gland bushes renewed, valve spindles renewed, water end liners renewed, bucket rings renewed.

Dynamo engine No. 1. Piston valve chamber bored piston valve renewed & valve spindle skinned & neck & gland bushes renewed.

Dynamo engine No. 2 Cylinder & piston valve chamber bored, piston & piston valve & its spindle renewed. piston rod skinned & neck & gland bushes renewed.

Tan engine Crankshaft skinned, main bearings & bottom end reinstalled, piston rod & valve spindle skinned & neck & gland bushes renewed.

Main condenser retubed & after water box division plate renewed.

Auxiliary condenser tube plates rejointed & condenser body, & a number of tubes & ferrules renewed.

Pumping arrangements Several suction bilge suction valve chests renewed, a considerable number of ^{lead} bilge & tank suction pipes in E.P. & B.P. renewed in steel (O.F. conversion) & a number of defective iron pipes renewed. Bilge & ballast pumping arrangements tried on completion.

Wardens valve spindles, central valve spindle, crosshead & valve spindle pins renewed.

Steering Engine Ridges ground out of cylinders, valve chambers bored, piston valves renewed, all valve spindles skinned & 1 crank pin renewed.

Electrical Installation

Electrical installation completely rewired to Rule requirements, additional lighting provided.

Below plates in boiler room (oil fuel conversion)

Dynamos & main switchboard completely overhauled.

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repairs examined in progress & examined & reffer
tested on completion.

Oil Fuel Conversion

Vessel now converted for oil fuel burning
(FP above 150°F) in accordance with approved
plans, Secretary's letters, requirements of Rules, &
Circular N° 1866. O.F. units in White's name

Newcastle

LLOYD'S TEST
15021 408
S.S. 8.7.46

S.R.L.

Steam pipes examined & tested
Port furnace of Starbel Boiler jacked up.

Note owing to the prohibitive price of timber
here the owners propose to defer the fitting
of sparring & ceiling in way of oil fuel settling
& deep tanks until arrival Finland & state
timber is already on order for this purpose.
It is recommended however that in view of the
possibility of cargo damage owing to absence of
sparring & ceiling vessels class be made
subject accordingly.

M. Hall

