

The 2 Main Boilers were examined over all parts with doors, mountings and safety valves and found or now placed in good condition. Safety valves adjusted under steam as stated above.

REPAIRS DUE TO WEAR AND TEAR:-

H.P. & L.P. eccentric straps - remetaled.

2 auxiliary stop valve seats on boilers renewed.

18 small stay nuts in both centre combustion chambers - renewed.

Aft independent feed pump delivery valve box and piston and bucket rings renewed.

Dynamo engine steam cylinder bored out and piston and packing rings renewed.

Fan engine crank brass - renewed.

Other minor repairs and adjustments effected.

REPAIRS DUE TO DAMAGE stated caused by (1) stranding on Cagayan Island (Philippin Island) on the 15th January, 1939, whilst on a voyage from Keelung (Formosa) to Smarrang (Netherland Indies), (2) Flooding in engine and boiler spaces, bunkers and holds subsequent to stranding and (3) salvage operation. For further particulars please see Kobe Damage report dated 26th June, 1939 attached herewith.

All temporary repairs dismantled to effect permanent repairs.

Main engine opened up, cleaned, and examined.

All shafting removed and linement adjusted.

Tail shaft drawn for examined and found in order, as stated below.

All holding down bolts tested and hardened up.

All sea cocks and valves opened up, cleaned and examined.

All rods for main engine - skimmed up and rebushed as found necessary.

M.P. cylinder wall bored out and packing rings renewed.

L.P. slide valve - repaired as necessary and refaced up.

Main engine stop valve seat and throttle valve seat - renewed and valve chest tested and found tight.

All main bearing metals - remetaled as necessary.

H.P. crank pin brass - remetaled.

All main engine cylinder lagging - renewed.

Tail shaft oil gland - oil pump and piping removed, examined and tested.

Oil gland tested and repaired as necessary.

Main and auxiliary condensers - all tubes removed, cleaned and tested and made tight.

All auxiliaries opened up and examined.

DYNAMO ENGINE:-

Crank shaft bearings - remetaled and faced up.

Piston and slide rods - skimmed up and rebushed.

Governor valve and seat, gears - renewed as necessary.

Centrifugal pump:-

Piston rod skimmed up, slide rod and both bushes renewed.

Ballast pump:-

Steam and water cylinders bored out, piston and bucket rings renewed.

(continued). N.A.

All auxiliary machinery lagging renewed.

Refrigerating machinery with auxiliaries opened up, cleaned and examined and made in good condition.

Windlass, winches and ash hoisting engine overhauled, examined and repaired as found necessary.

Forced draught fan engine air tank cleaned and recoated.

Boilers:-

Two main boilers with mountings and fittings cleaned and examined, afterwards tested by hydraulic pressure to $1\frac{1}{2}$ working pressure and found tight.

6 smoke box doors - overhauled, repaired and refitted.

All boiler lagging renewed.

All main and auxiliary steam pipes tested and found tight.

All main and auxiliary feed pipes tested and found tight.

All steam and feed copper pipes annealed before testing.

All pipe lagging renewed.

All safety valve springs tested.

All pressure gauges in engine and boiler rooms tested and renewed as found necessary.

All electric wiring and fittings in engine and boiler rooms and tween deck - tested, repaired or renewed as found necessary.

Main switchboard and fittings tested, repaired or renewed as found necessary.

Spare armature for 15 K.W. dynamo - re-wound, carbon brushes and holder renewed.

Electric motor for refrigerating machinery - re-wound and tested.

Spare gears, tools and running stores supplied, please see copy of damage report.

All spare gear cleaned, examined and placed in good order.

Stores and tools cleaned and placed in order.

Engine and boiler room spaces cleaned and recoated.

Engine and boiler room bilges, strums and connections cleaned, examined & tested.

Engine and boiler room floor plates cleaned and placed in good order.

All removals for access to effect repairs replaced in good order.

Main and auxiliary machinery tried under working condition on completion of repairs and found satisfactory. N.A.



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