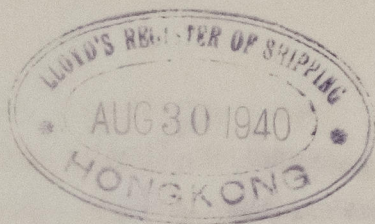


COPY



Hong Kong

30th. August 1940.

This is to Certify that

T. S. MORRISON

the undersigned Surveyor to this
Society did at the request of

Messrs Madrigal & Co. of Manila, P.I. survey the S.S. "PAZ" of Manila, 4260 Gross Tons, No. 31406 in the Register Book, on the 10th. August 1940 and subsequently whilst the vessel lay afloat and in dry dock at the Takoo Dockyard & Engineering Co. of Hong Kong Ltd. for the purpose of conducting a complete survey of the hull, machinery and boilers of the said vessel, recommending and examining the necessary repairs and or renewals.

HOW DONE.

Vessel placed in dry dock, bottom, rudder, keel, stem and stern frame, cleaned, examined, placed in good condition and Bottom, Boot-Top and Top side repainted.

Rudder examined and found in good order.

Anchor, chain cables ranged, shackle pins knocked out, cables wire brushed and cleaned for inspection and gauging and found in good condition, cables doped with fuel oil before replacing.

Chain locker, hawse pipes and cable compressors examined and placed in good condition.

All holds, peaks, bridge space, bunkers and machinery spaces, ceiling lifted in the holds and bunkers as required by the rules, decks, masts, spars and rigging, hatchways, hatches in position at the hatchway, steering gear and its connections, rudder quadrant



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Lloyd's Register
Foundation

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S.S. "FAZ"

and tiller, steering engine, windlass, pumps, watertight doors, air and sounding pipes, plating in way of side lights, ventilators, casings, coamings and general equipment examined and found or placed in good condition and recoated where necessary.

All double bottom tanks and peak tanks examined internally and tested under water pressure to rule requirements.

Air tanks of life boats tested 2 lbs. air pressure and found satisfactory.

MACHINERY

Vessel in dry dock, propeller, after end of stern tube, sea connections and outside fastenings examined and found or placed in good condition.

Main engine cylinders, pistons, valves, crank, thrust and intermediate shafts, condenser, pumps and pumping arrangements examined and found or placed in good condition.

Main and donkey boilers examined internally and externally with safety valves, doors, and mountings and found or put in good condition.

Main boilers hydraulic tested 270 lbs. sq. inch.

Donkey boiler hydraulic tested 135 lbs. sq. inch.

Boilers examined under steam and safety valves adjusted.

Main boilers 180 lbs. sq. inch. Donkey boiler 90 lbs. sq. inch.

Auxiliary steam pipes over 3" bore annealed and hydraulic tested 400 lbs. sq. inch.

The following repairs were found necessary and have now been satisfactorily carried out :-

HULL

Shell. G-20 & 21 & H-2 & 3 renewed Starboard side.

D-E forward stealer plate, G-3, 20 & 21 renewed Port side.

Straps fitted over butts of keel 2/3, A-3/4 Starboard side, & B-4/5 Port side also 2 seam straps fitted on B, C & D strakes Starboard side forward.

About 480 defective shell rivets removed.

Two lengths Port bilge keel removed, failed & replaced.

One shoe plate & angle shoe renewed on rudder fairwater plate.

S.S. "FAZ"

Bulwarks. Two plates renewed, 4 part renewed, 1 length bulwark rail renewed, 15 bulwark stays and angles removed, faired and replaced and one stay renewed on aft well. Six plates renewed, 3 lengths bulwark rail renewed, 26 bulwark stays & angles removed, faired & replaced, 2 brackets renewed in forward well.

Decks etc. Five upper deck plates renewed, 3 cropped & part renewed & 7 stringer plates cropped & part renewed, all in bridge space, 1 plate on bridge deck renewed. One horizontal stiffener renewed on Nos. 1, 2, 3 & 4 hatch coamings.

Bottom angles renewed on 12 hatch beams.

Waterway angle & all wood deck renewed on poop.

Three plates & 1 length angle bar renewed on fiddley top.

Holds Tanks Etc. Four main frames removed, faired & replaced in No. 4 hold.

Two stringer plates cropped & part renewed, 1 bracket renewed & 25 frame rivets renewed inside aft peak tank.

Three plates renewed on aft peak tank top.

14 Shell stringer lugs renewed & 2 bulkhead brackets renewed in No. 1 hold.

All plates renewed on fore peak tank top also 9 frame brackets & angles renewed.

Ten side stringer angles renewed inside fore peak tank.

One plate renewed, 8 plates cropped & part renewed, 2 corner brackets & lugs renewed & 4 stiffener brackets renewed on bulkhead between Nos. 3 & 4 holds.

Main mast steel on tunnel top renewed.

Four floors on Starboard side & one on Port side of No. 2 double bottom tank cropped & part renewed at aft end & 20 rivets renewed on intercostals at forward end.

Six floor top angles renewed at forward end of No. 4 tank, also tank end locally doubled & manhole door renewed.

Bunkers. Three deck beams, 4 casing plates & 5 stiffeners part renewed, 1 stay & 1 bracket renewed all in Port bunker. One casing plate & 8 stiffeners cropped & part renewed & 2 brackets & hatch rest angles renewed on Starboard side.

S.S. "PAZ"

General. Forecastle & poop bulkheads cropped & part renewed as necessary.

Five frame brackets renewed in poop.

Steam pipe casings renewed as necessary.

Ventilators repaired and renewed as necessary.

Air and sounding pipes renewed as necessary.

Steering gear repaired & chains tested.

Windlass repaired, eccentric rods & driving pinion renewed.

Sundry minor repairs effected.

Repairs Damage. Shell plate G-14 Starboard side removed, faired and replaced.

Five frames & 6 margin brackets in way removed, faired and replaced.

Shell plates E-13 & 14 faired in place.

L-6 (bridge side) faired in place & cropped & part renewed.

One beam knee renewed.

One bridge aft bulkhead plate cropped & part renewed.

Two angle frames cropped & part renewed.

MACHINERY REPAIRS

Thrust shoes reinstalled.

M.P. slide valve faced up & new false face fitted in casing.

New mild steel ends fitted on feed & bilge pump rams & rams skimmed up & new neck & gland bushes fitted.

Main injection seat & valve renewed.

Bilge discharge valve & spindle renewed.

Ballast discharge valve nut renewed.

Main injection pipe renewed.

A number of bilge pipes & one valve box renewed.

Condenser tested & tubes renewed.

Pumps & dynamo engine generally overhauled.

2 stay tubes & 3 plain tubes renewed in Port boiler & 4 stay tubes & 3 plain tubes renewed in Starboard boiler.

Smoke boxes repaired in both boilers.

Main check valve renewed in Port boiler.

Auxiliary stop valve spindle renewed on donkey boiler.

Electric wiring part renewed in engineroom, midship accommodation, bridge & navigation lights.

Sundry minor repairs effected.