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STEAMSHIP DEPT.

Report No. HL2142
S/S "CERES"

DEC 1 11 10 AM '59

Honolulu, Hawaii
October 26, 1959

THEO. H. DAVIES & CO.,
LIMITED
HONOLULU, T.H.

Theo. H. Davies & Co., Ltd.
Lloyd's Agent
Honolulu, Hawaii

Dear Sirs:

This is to certify that the undersigned Surveyor did, at the request of Theo. H. Davies & Co., Ltd., Lloyd's Agent, on behalf of Lloyd's Register of Shipping, attend on board the single screw steamer "CERES" of 10854 gross tons, of Panama, R.P. while the vessel lay afloat at Pier 2, Honolulu, Hawaii on the 13th day of October, 1959 and upon subsequent dates, in order to examine and report upon leakage of boiler tubes causing vessel to deviate and return to Honolulu on a voyage from Honolulu, Hawaii to Japan. For full further particulars, see Log Books of vessel, and report as now follows:

The undersigned boarded the vessel and in discussion with Master and Chief Engineer and owners representative, learned that the vessel returned to Honolulu due to excessive consumption of fresh water caused through leakage of numerous boiler tubes during the outbound passage.

Upon recommendation, all six boilers were opened for examination and the following conditions noted.

The fire tubes of all boilers were found to be heavily encrusted with soot and ash deposits, numerous tubes plugged and evidence of serious leakage of water from numerous tubes.

Upon recommendation, the fire sides of all six boilers were thoroughly cleaned at the time of this survey. Mud and scale deposits were removed from the water side of all six boilers at the time of this survey.

The following tube renewals were carried out at this time in a satisfactory manner:

No. 2 Boiler

Renewed 62 tubes on the port furnace side.
Renewed 34 tubes in way of center furnace.
Renewed 24 tubes in way of starboard furnace.
Renewed 1 stay tube.

No. 3 Boiler

Renewed 54 tubes in way of port furnace.
Renewed 35 tubes in way of center furnace.
Renewed 20 tubes in way of starboard furnace.

No. 5 Boiler

Renewed 16 tubes in way of port furnace.
Renewed 42 tubes in way of center furnace.
Renewed 15 tubes in way of starboard furnace.

No. 6 Boiler

Renewed 39 tubes in way of port furnace.
Renewed 34 tubes in way of center furnace.
Renewed 35 tubes in way of starboard furnace.

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Foundation

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Owing to the owners urgent need of the vessel and availability of materials locally, the no. 1 boiler and no. 4 boiler tube renewals were not dealt with at this time. The no. 1 boiler was found to have 25 plugged tubes and one plugged stay tube. The no. 4 boiler was found to have 42 plugged fire tubes and three plugged stay tubes.

Upon completion of all repairs to the boilers at this time, a hydrostatic test of 220 lbs. pressure was applied to all boilers and all found to be tight.

The vessel was furnished with sufficient spare plugs for the voyage to Japan.

The vessel was supplied with and had on board prior to departure for Japan over 515 tons of reserve feed water.

At the time of this survey, all of the feed check valves on the six boilers were removed to the machine shop, thoroughly overhauled, shop tested, proven tight and reinstalled in good order aboard the vessel.

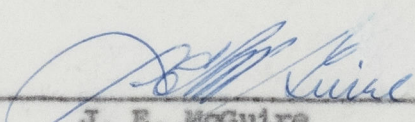
The oil burner sprayer plates were examined at this time and upon recommendation, plates were ground in and properly reconditioned.

The vessel was supplied at this time with sufficient steam lance hose for the proper cleaning of the boilers while enroute to Japan. The vessel was also supplied at this time with fuel oil treatment chemicals to be placed into the settling tanks in an attempt to improve combustion.

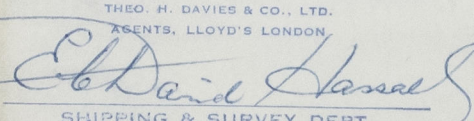
It is recommended that all six boilers of this vessel be examined in detail at the first opportunity by a classification Surveyor to Lloyd's Register of Shipping.

With respect to the boilers surveyed at this time, the vessel is considered fit to proceed on her contemplated voyage to Japan.

Survey made without prejudice.


J. E. McGuire
MARINE SURVEYOR

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OF AN ORIGINAL DOCUMENT ISSUED BY THIS OFFICE.
THEO. H. DAVIES & CO., LTD.
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