

COPY.

Lloyd's Register of Shipping.



Port

CAPE TOWN.

23rd May, 1942.

This is to Certify that

THEODORE HUGH NOEL

the undersigned Surveyor to this Society did at the request of the Master and Messrs. Thomson, Watson & Company, Lloyd's Agents, Survey the machinery of the M.V. "CHILE" of London, 6,956 tons gross, whilst at Cape Town on 1st April, 1942, and subsequently for the purpose of ascertaining the nature and extent of the damage stated to have been sustained through No. 1 Port Main Engine Piston Rod breaking on 26th March, 1942, whilst on a voyage from Cape Town to the United Kingdom.

It is further stated that on the 27th March, 1942, a heavy knock was heard in No. 4 starboard Main Engine; The Engine was stopped and on examination it was found that the No. 4 Piston Rod was broken.

The broken rods, pistons etc. were removed and the vessel returned to Cape Town for repairs.

On examination the undersigned found the following damage and made recommendation for repairs as under:-

FIRST DAMAGE.

Port Main Engine No. 1 Cylinder :

1. Piston rod broken.

Spare piston rod to be fitted, flange to be machined and a steel compensating liner to be fitted between piston and rod.

2. After crosshead pin fractured at radius.

Crosshead to be renewed.

3. Crosshead bearing metal damaged and bolts bent.

Bearings to be re-metalled and bolts renewed.

4. Connecting rod bent.

To be straightened.

Over/.....

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FOUND.RECOMMENDED.

5. No. 1 cylinder cover fractured and exhaust and air inlet valves, spindles and housing damaged.

Spare cover and valve housings to be fitted, valves and spindles to be renewed.

~~6. Guide shoe metal fractured and slack.~~

~~To be re-metalled.~~

7.

No. 1 Engine to be checked for alignment, crankshaft to be gauged and thrust checked for clearance.

SECOND DAMAGE.Starboard Main Engine No. 4 Cylinder:

1. Piston rod broken at neck of shoulder taking crosshead block.

Spare piston rod to be fitted, flange machined and a steel compensating liner fitted between piston and rod.

2. Crosshead block fractured in bore taking piston rod.

Crosshead to be renewed.

3. Crosshead bearing metal damaged and bolts bent.

Bearings to be re-metalled and bolts renewed.

4. Connecting rod bent.

To be straightened and foot of rod machined.

5. Exhaust and air inlet valve spindles bent slightly and exhaust valve housing fractured slightly and air inlet valve housing completely shattered.

Valve spindles to be straightened, exhaust valve housing to be repaired and spare air inlet valve housing to be fitted.

~~6. Guide shoe metal fractured and slack.~~

~~To be re-metalled.~~

No. 4 engine to be checked for alignment, crankshaft to be gauged and thrust checked for clearance.

The above repairs and examinations have been efficiently carried out.

(Signed) T. H. NOEL.

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.



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