

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____

Office, _____

19 _____

Lloyd's Register of Shipping.

(Report on Machinery, No. 15050 Port Middlesbrough)

No. F1517 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by The Life Forge Co. Ltd. of Leith for the Engines No. 428 being constructed by Smiths Dock Co. Ltd. of South Bank for the Ship No. _____, being built by _____ of _____

have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to South Bank

Mark on Forgings or Castings.

Lloyd's

No. 1517, 1518, 1519, 1520

13/6/33

Chas. A. Barclay

Leith

14/10/33

	CRANK SHAFT.		THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.				SCREW SHAFT.
Material* ...	<u>SM Ingot Steel</u>		<u>SM Ingot Steel</u>	<u>SM Ingot Steel</u>	<u>SM Ingot Steel</u>
How made ...	<u>Built</u>		<u>Forged</u>	<u>Forged</u>	<u>Forged</u>
Annealed ...	<u>Yes</u>		<u>Yes</u>	<u>Yes</u>	<u>Yes</u>
Dimensions, Forgings	<u>7 7/8" dia</u>		<u>8" dia</u>	<u>7 5/8" dia</u>	<u>8 1/2" dia</u>
Weight, Castings	<u>✓</u>		<u>✓</u>	<u>✓</u>	<u>✓</u>
Progress on Inspection }	<u>Finished</u>		<u>Finished</u>	<u>Finished</u>	<u>Finished with</u>
Tests on Standard Test Pieces.	<u>1517</u>	<u>1517W</u>	<u>1519</u>	<u>1520</u>	<u>continuous lines</u>
Tensile Test—	<u>31.2</u> <u>30.2</u>		<u>31.0</u>	<u>31.0</u>	<u>31.8</u>
Tons per square inch	<u>30%</u> <u>29%</u>		<u>29%</u>	<u>29%</u>	<u>29%</u>
Extension per cent	<u>180</u>		<u>180</u>	<u>180</u>	<u>180</u>
Old Bending Test—	<u>180</u>		<u>180</u>	<u>180</u>	<u>180</u>
Angle before fracture	<u>✓</u>		<u>✓</u>	<u>✓</u>	<u>✓</u>
Dates when Inspected	<u>8/9/33 — 13/10/33</u>				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £ ✓

To be paid at _____

* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.

Form 10, 30.

