

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*

eff
13/10/33

Chas. A. Rowcliffe

Leith

14/10/33

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material * ...	<i>SM Ingot Steel</i>	<i>SM Ingot Steel</i>	<i>SM Ingot Steel</i>	<i>SM Ingot Steel</i>
How made ...	<i>Built</i>	<i>Forged</i>	<i>Forged</i>	<i>Forged</i>
Annealed ...	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Dimensions, Forgings	<i>7 7/8" dia</i>	<i>8" dia</i>	<i>7 5/8" dia</i>	<i>8 1/2" dia</i>
Weight, Castings	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
Progress on Inspection	<i>Finished</i>	<i>Finished</i>	<i>Finished</i>	<i>Finished with continuous lines</i>
Tests on Standard Test Pieces.	<i>1517 1517W</i>	<i>1519</i>	<i>1520</i>	<i>1518</i>
Tensile Test— Tons per square inch	<i>31.2 30.2</i>	<i>31.0</i>	<i>31.0</i>	<i>31.8</i>
Extension per cent	<i>30% 29%</i>	<i>29%</i>	<i>29%</i>	<i>29%</i>
Cold Bending Test— Angle before fracture	<i>180</i>	<i>180</i>	<i>180</i>	<i>180</i>
Dates when Inspected	<i>8/9/33 - 13/10/33</i>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

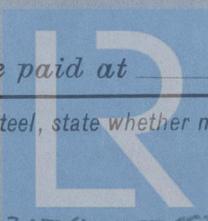
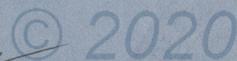
Fee (if any chargeable) £ *✓*

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.

003679-003688-0048



Lloyd's Register Foundation

