

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 19\_\_

# Lloyd's Register of Shipping.

(Report on Machinery, No. ~~44051~~ 44054 Port Hull)

No. \_\_\_\_\_ ENGINE FORGINGS OR CASTINGS. Lord Lloyd

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs T.S. Forster & Son Ltd. of Sunderland for the Engines No. 632 being constructed by Amos & Smith Ltd of Hull 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 Amos & Smith Ltd Hull

J. Dale  
Sunderland

Work on Forgings or Castings.

Lloyd's  
No. 6795  
J.D. 27.3.33

	CRANK SHAFT. <u>journal end &amp; pin.</u> FLYWHEEL SHAFT	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT. SCREW SHAFT.
Material* ...	<u>Premier Martin</u>	<u>Ingot steel</u>	<u>Ingot steel</u>	
By whom made ...	<u>Gardner</u>	<u>prema</u>		
annealed... ..	<u>yes</u>	<u>yes</u>	<u>yes</u>	<u>yes</u>
Dimensions, Forgings	<u>7 1/2 dia</u>	<u>7 1/2 dia</u>	<u>7 3/8 dia</u>	<u>8 5/16 dia</u>
Weight, Castings ...	<u>Forging &amp; testing</u>			
Progress on inspection				
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch ...	<u>28.2</u>	<u>28.8</u>	<u>30.2</u>	<u>28.8</u>
Elongation per cent ...	<u>33%</u>	<u>33%</u>	<u>36%</u>	<u>33%</u>
180° Bending Test— Angle before fracture ...	<u>180°</u>	<u>180°</u>	<u>180°</u>	<u>180°</u>
When Inspected	<u>March 22<sup>nd</sup> to 27<sup>th</sup></u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

	Sq. in.	On... in inches.	Bend
<u>3 Connecting rods (ingot steel)</u>	<u>31.2</u>	<u>30%</u>	<u>180°</u>
<u>3 Piston rods</u>	<u>35.2</u>	<u>26%</u>	<u>180°</u>

(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.

003698-003705-0031

