

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____ Office, 26 AUG 1930

Lloyd's Register of Shipping.

(Report on Machinery, No. 41464 Port HULL)

No. 21607 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by The Rotherham Forge & Rolling Mills Co. Ltd. of Rotherham for the Engines No. 621 being constructed by Messrs 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 _____

Mark on Forgings or Castings.

Lloyd's
 No. See below
 RWF 14-8-30

RWFawcett

Sheffield 23/8/30

| | CRANK SHAFT. | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT. |
|--------------------------------|----------------------------|--------------------------|---------------------|-------------------------|
| | <u>1 Bar</u> | <u>1 Journal</u> | | |
| | FLYWHEEL SHAFT. | | | SCREW SHAFT. |
| Material* ... | <u>Leimans Steel</u> | | | |
| How made ... | <u>Forged</u> | | | |
| If Annealed... | <u>Yes</u> | | | |
| Dimensions, Forgings | <u>7 9/16"</u> | <u>7 9/16"</u> | | |
| Weight, Castings | <u>✓</u> | <u>✓</u> | | |
| Progress on Inspection } | <u>Black</u> | | | |
| Tests on Standard Test Pieces. | <u>R 4033</u> | <u>R 4055</u> | | |
| Tensile Test— | <u>637</u> | <u>653</u> | | |
| Tons per square inch | <u>30.4</u> | <u>31.6</u> | | |
| Extension per cent | <u>30.0</u> | <u>34.0</u> | | |
| Cold Bending Test— | | | | |
| Angle before fracture | <u>180°</u> | <u>180°</u> | | |
| Dates when Inspected | <u>25/7/30 to 1/8/30</u> | <u>1/8/30 to 14/8/30</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.

