

# Lloyd's Register of Shipping.

Report on Machinery, No. 69670

Port Glasgow

No. F. 9304.

## ENGINE FORGINGS OR CASTINGS:

The words FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by The Life Forge Co Ltd of Kirkcaldy for the Engines No. 283 being constructed by Crichton Blair Co Ltd of Glasgow for the Ship No. ...., being built by .....

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 .....

Clydebank, Glasgow

Mark on Forgings or Castings.

|   |   |
|---|---|
| Lloyd's<br>No. <u>9303</u><br>J.H.<br><u>17-10-44</u> | LLOYD'S<br>No. <u>9304</u><br>J.H.<br><u>20-10-44</u> |
|---|---|

*John Houston*  
*Leith*

26/10/44

|                                       | CRANK SHAFT.            | THRUST SHAFT.  | INTERMEDIATE SHAFT. | TUBE SHAFT.   |
|---------------------------------------|-------------------------|----------------|---------------------|---------------|
|                                       | FLYWHEEL SHAFT.         |                |                     | SCREW SHAFT.  |
| Material* ...                         | S.M. Ingot Steel        |                |                     |               |
| How made ...                          | Forged                  |                |                     |               |
| If Annealed ...                       | yes                     |                |                     |               |
| Forgings                              | Dimensions              | <u>9 3/4"</u>  |                     | <u>8 3/4"</u> |
|                                       | Weight                  | <u>21-1-14</u> |                     | <u>19-3-7</u> |
| Weight, Castings ...                  | ✓                       |                |                     |               |
| Progress on Inspection...             | Forged + Rough machined |                |                     |               |
| <b>TEST RESULTS.</b>                  |                         |                |                     |               |
| Ultimate Tensile. Tons per sq. in.... | 9304                    |                | 9303                |               |
| Yield Point. Tons per sq. in....      | 31.4                    |                | 31.8                |               |
| Extension per cent. on 2 inches...    | ✓                       |                | ✓                   |               |
| Red. of Area %                        | 29%                     |                | 29%                 |               |
| Cold Bending Test...                  | ✓                       |                | ✓                   |               |
| Dates when Inspected                  | 180°                    |                | 180°                |               |
|                                       | 10/10/44 to 20/10/44    |                |                     |               |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) 7/-

To be paid at Leith Monthly 1/6 (has work)

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

