

Rpt. 7

For the information of Surveyors and the Committee only.

Received at

Office

-4 JUN 1934

# Lloyd's Register of Shipping.

(Report on Machinery, No. *31427*)

Port

*Sunderland*

No.

## ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by *Messrs T. S. Foster & Son Ltd* of *Sunderland* for the Engines No. *2809* being constructed by *North Eastern Marine Eng. Co.* of *Sunderland* 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

*North Eastern Marine Eng. Co. Ltd* *Sunderland*

Mark on Forgings or Castings.

Lloyd's

No. *7205*

*1-3-34*

*3 Connecting rods*

*J. Dale*  
*Sunderland*

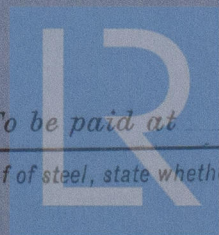
|                                | CRANK SHAFT.    | THRUST SHAFT.                | INTERMEDIATE SHAFT. | TUBE SHAFT.  |
|--------------------------------|-----------------|------------------------------|---------------------|--------------|
|                                |                 | <i>3 Greenhead</i>           |                     |              |
|                                | FLYWHEEL SHAFT. |                              |                     | SCREW SHAFT. |
| Material                       |                 | <i>8 1/2 Ingot-Iron</i>      |                     |              |
| How made                       |                 | <i>Forged</i>                |                     |              |
| Annealed                       |                 | <i>Yes</i>                   |                     |              |
| Dimensions, Forgings           |                 |                              |                     |              |
| Weight, Castings               |                 |                              |                     |              |
| Progress on Inspection         |                 | <i>Forging &amp; testing</i> |                     |              |
| Tests on Standard Test Pieces. |                 |                              |                     |              |
| Tensile Test—                  |                 | <i>28.2 35.2</i>             |                     |              |
| Tons per square inch           |                 |                              |                     |              |
| Extension per cent             |                 | <i>34% 29%</i>               |                     |              |
| Cold Bending Test—             |                 | <i>180° 180°</i>             |                     |              |
| Angle before fracture          |                 |                              |                     |              |
| Dates when Inspected           |                 | <i>1-3/3/34</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.



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Lloyd's Register  
Foundation

6500-0057  
WSM