

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 10 JUN 1930

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port _____)

No. 21298. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by The Langley Forge Co. Ltd. of Langley for the Engines No. 2641 being constructed by Messrs Plenty & Lons Ltd. of Newbury 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 _____

on Forgings or Castings.

Lloyd's No. 8752 1 Built up Crank shaft. J.P. Mangle Sheffield 4/6/30
 J.P. 21/5/30.

| | CRANK SHAFT. | THRUST SHAFT. | INTERMEDIATE SHAFT. | TUBE SHAFT. |
|--------------------------------|----------------------------|---------------------------|--------------------------------|------------------------|
| | <u>4 Webs.</u> | <u>2 Webs.</u> | <u>4 Journals</u> | <u>3 Pins</u> |
| | FLYWHEEL SHAFT. | | | SCREW SHAFT |
| Material | <u>Siemens</u> | | <u>Steel</u> | |
| Made | <u>Forged</u> | | | |
| Heat-treated | <u>Yes</u> | | | |
| Dimensions, Forgings | <u>Dia 4 15/16"</u> | | | |
| Weight, Castings | <u>Finished</u> | | <u>Machined</u> | |
| Pressure on Inspection | | | | |
| Tests on Standard Test Pieces. | <u>938.</u> | <u>836</u> | <u>829</u> | <u>829.</u> |
| Shear Test— | <u>28.8</u> | <u>32.0</u> | <u>30.0</u> | <u>30.0</u> |
| Tests per square inch | | | | |
| Extension per cent | <u>27.0</u> | <u>30.0</u> | <u>30.0</u> | <u>30.0</u> |
| Bending Test— | <u>180°</u> | <u>180°</u> | <u>180°</u> | <u>180°</u> |
| Angle before fracture | | | | |
| When Inspected | <u>5/3/30 to 21/5/30</u> | <u>21/1/30 to 21/5/30</u> | <u>21/1/30</u> | <u>to 21/5/30</u> |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Charge (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.

