

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port _____)

No. 32483 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Woodhouse & Reason of Sheffield for the ^{Order} Engines No. 104/A1 being constructed by Messrs. J. & E. Hall Ltd., of Dartford for the Ship No. _____, being built by Swan, Hunter & Wigham Richardson's Yard No. 1640 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.

L. D. Lunnard.

Sheffield 5-7-39

Lloyd's

No. 32483

L.D.T. 22-6-39

30-6-39

2 Double

CRANK SHAFTS

555

THRUST SHAFT.

554 R.

INTERMEDIATE SHAFT.

TUBE SHAFT.

FLYWHEEL SHAFT.

SCREW SHAFT.

Material ...

Steel

How made ...

Forged

of Annealed ...

Heat

treated

Dimensions ...

3" dia

Weight ...

Weight, Castings ...

Progress on ...

Inspection ...

Rough

Machined

TEST RESULTS.

Ultimate Tensile.

Tons per sq. in. ...

31.12

30.40

Yield Point.

Tons per sq. in. ...

17.36

25.60

Extension per cent

on 2 inches ...

33.0

32.0

Red. of Area % ...

51.2

54.8

Cold Bending Test...

180°

180°

Dates when Inspected

9-6-39 to 22-6-39

9-6-39 to 30-6-39

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The shafts were examined after final machining and found satisfactory. *OK*

Fee (if any chargeable) Monthly 9/-

To be paid at Sheffield

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

Brine

003154-003161-0205

1 to each chamber.