

Lloyd's Register of Shipping.

(Report on Machinery, No. 60730 Port GLASGOW)
Middlesbrough

No. 31860 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. T. Firth & J. Brown Ltd. of Sheffield for the ^{order} Engines No. 5099/38 ~~being constructed by~~ Messrs. J. Brown & Co. Ltd. of Clydebank 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 _____

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

Mark on Forgings or Castings.

Lloyd's
 See
 No. below
 C.S.P. 2/9/38

Chas. S. Porter

Sheffield 13/9/38

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>2 Great Steel Rims</u> <u>58614</u>	<u>58615</u>		
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material*	<u>Swiss</u>	<u>Steel</u>		
How made	<u>Forged</u>			
If Annealed...	<u>Heat</u>	<u>Treated</u>		
Dimensions	<u>8' 8 3/4" 1/2" X 8' 3 3/8" 1/2"</u>			
Weight } Forgings	<u>2-8-0-0</u>	<u>2-8-3-14</u>		
Weight, Castings				
Progress on Inspection	<u>Rough</u>	<u>Machined</u>		
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<u>37.8</u>	<u>36.8</u>		
Extension per cent 3"	<u>28.0</u>	<u>27.0</u>		
Cold Bending Test— Angle before fracture	<u>180°</u>	<u>180°</u>		
Dates when Inspected	<u>26/8/38 to 2/9/38</u>			

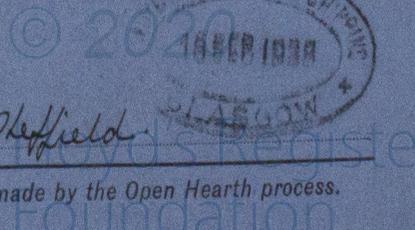
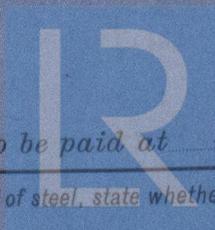
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

N^o 8614 found
8615 after

Fee (if any chargeable) £3-12-9

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.



W53-0104