

Lloyd's Register of Shipping.

(Report on Machinery, No. 60730 Port GLASGOW)

Middlesex

No. 31441 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 Messrs. T. Firth & Co. Ltd. of Sheffield for the ~~Engines~~ ^{and} No. S.099/38 being constructed by Messrs. John Brown & Co. Ltd. of Clydebank for the Ship No. ^{S.S.} MIDDLESEX 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 _____

Mark on Forgings or Castings.

Lloyd's
No. below
C.S.P. 19/7/38

Chas. S. Porter

Sheffield 22/7/38

	CRANK SHAFT. <u>1 Claw Piece</u> <u>S. 8399</u> FLYWHEEL SHAFT.	THRUST SHAFT. <u>1 L.P. Reaction</u> <u>Wheel</u> <u>S. 8414</u>	INTERMEDIATE SHAFT. <u>1 L.P. Astern</u> <u>Impulse Wheel</u> <u>S. 8418</u>	TUBE SHAFT. SCREW SHAFT.
Material* ...	<i>Steel</i>		<i>Steel</i>	
How made ...	<i>Forged</i>			
If Heat Treated ...	<i>Yes</i>			
Dimensions, Forgings	<i>15 5/8"</i>	<i>3' 8 1/4"</i>	<i>4' 7 3/8"</i>	
Weight, Castings	<i>1-0-2-19</i>	<i>10-3-18</i>	<i>19-10-17</i>	
Progress on Inspection	<i>Rough</i>		<i>Machined</i>	
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	<i>30.2</i>	<i>36.0</i>	<i>39.0</i>	
Extension per cent 3"	<i>34.0</i>	<i>24.0</i>	<i>24.0</i>	
Cold Bending Test— Angle before fracture	<i>180°</i>	<i>180°</i>	<i>180°</i>	
Dates when Inspected	<i>5/7/38</i>	<i>6</i>	<i>19/7/38</i>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—



Fee (if any chargeable) £ 1-17-6.

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.



Forfengo
S.O. 99/38
Middlesex



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Lloyd's Register
Foundation