

Lloyd's Register of Shipping.

(Report on Machinery, No. 60730 Port GLASGOW)

No. 31441 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. John Brown & Co. Ltd., of Clydebank for the Ship No. ^{SS.} "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.

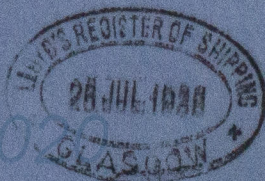
Lloyd's
No. below
C.S.P. 19/7/38

Chas. S. Porter

Sheffield 22/7/38

	CRANK SHAFT. 1 Claw Piece S. 8399 FLYWHEEL SHAFT.	THRUST SHAFT. 1 L.P. Reaction Wheel S. 8414	INTERMEDIATE SHAFT. 1 L.P. Astern Impulse Wheel S. 8418	TUBE SHAFT. SCREW SHAFT.
Material* ...	Manganese		Steel	
How made ...	Forged			
If Heat Treated ...	Yes			
Dimensions, Forgings	15 5/8"	3' 8 1/4"	4' 7 3/8"	
Weight, Castings	1-0-2-19	10-3-18	19-10-14	
Progress on Inspection {	Rough		Machined	
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	30.2	36.0	39.0	
Extension per cent 3"	34.0	24.0	24.0	
Cold Bending Test— Angle before fracture	180°	180°	180°	
Dates when Inspected	5/7/38	6	19/7/38	

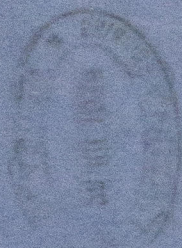
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—



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