

Lloyd's Register of Shipping.

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

No. 31861 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. Field & J. Brown Ltd. of Sheffield for the ~~Engines~~ No. S.099/38 ~~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 _____

Mark on Forgings or Castings

Lloyd's
No. See below
E.S.P.
D.R.W.

for Dr. Walburn & self Esqrs

Sheffield 13/9/38

	CRANK SHAFT. 2 1st Reduction Wheel Rims S.8501 S8501A FLYWHEEL SHAFT.	THRUST SHAFT. 2 1st Reduction Wheel Rims S.8502 S.8502A	INTERMEDIATE SHAFT. 1 L.P. Reaction Wheel, 2nd. stage. S.8503.	TUBE SHAFT. 1 H.P. Dummy Rim S.8498. SCREW SHAFT.
Material*	Semi-steel		Steel	
How made	Forged			
If Annealed...	Heat		Treated	
Dimensions				
Weight } Forgings	<u>6' 2 5/8" Ø X 5' 9 3/4" Ø</u>		<u>3' 8 1/4"</u>	<u>2' 2 7/16" Ø X 16 1/4" Ø</u>
Weight, } Castings	<u>11.1.22</u>	<u>11.1.19</u>	<u>8-1-12</u>	<u>4.3.8</u>
Progress on Inspection	Rough		Machined	
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch	<u>36.0</u>	<u>34.0</u>	<u>36.0</u>	<u>37.0</u>
Extension per cent 3"	<u>31.5</u>	<u>24.0</u>	<u>27.0</u>	<u>27.0</u>
Cold Bending Test—				
Angle before fracture	<u>180°</u>	<u>180°</u>	<u>180°</u>	<u>180°</u>
Dates when Inspected	<u>22/4/38</u>		<u>to</u>	<u>2/9/38</u>

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £3-0-0 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.

