

## Lloyd's Register of Shipping.

(Report on Machinery, No. 60730 Port GLASGOW)No. 3077 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 <sup>order</sup> Engine No. 50.99/38 being constructed by Messrs. J. Brown & Co. Ltd. of Clydebank for the Ship No. 42.110/38 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. 50497D.R.O. 26/8/38for DR Walburn & Co. Exporters1 1st Reduction Pinion Primary Sheffield 16/9/38

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material	Dunlop		Steel	
How made	Forged			
If Annealed	Heat		Treated	
Dimensions	4 1/4"			
Weight	11-1-12			
Weight, Castings				
Progress on Inspection	Rough		Machined	
Tests on Standard Test Pieces.	BT	BT	TT	TL
Tensile Test—				
Tons per square inch	46.0	46.4	46.6	45.6
Yield	35.4	35.2	34.4	36.0
Extension per cent	24.5	23.5	23.0	24.0
Cold Bending Test—				
Angle before fracture	180°	180°	180°	180°
Dates when Inspected	22/4/38	7	26/8/38	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

N. 8497 Firth &amp; Co. L.R.

Fee (if any chargeable) £ 1-0 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.