

Rpt. 7

For the information of Surveyors and the Committee only.

Received at Office, 19

Lloyd's Register of Shipping.

(Report on Machinery, No. 32970 Port Sunderland.)

Wor. No. 6.10865

No. F2745 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs J. J. Foster & Son, Ltd. of Sunderland for the ORDER Engines No. 8484 being constructed by REPAIR Messrs N. E. Marine Engines Ltd. of Wellhead/Tyne for the Ship No. 8/s Letchworth of Newcastle 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 engine works.

Mark on Forgings or Castings.

Lloyd's

No. 3713

23.8.40

A. E. Gallyford
Sunderland

1. Piston Rod

23.8.40

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...		<u>Sm. forged steel.</u>		
How made ...		<u>Forged.</u>		
If Annealed...		<u>Heat treated.</u>		
Dimensions } Forgings		<u>As per plan</u>		
Weight. }		<u>6. 3. 0</u>		
Weight, Castings ...				
Progress on } Inspection		<u>Black forging.</u>		
		<u>Test N° P. 258.</u>		
TEST RESULTS.				
Ultimate Tensile.				
Tons per sq. in. ...		<u>29.3</u>		
Yield Point.				
Tons per sq. in. ...		<u>34</u>		
Extension per cent on.....inches ...		<u>180°</u>		
Red. of Area % ...				
Cold Bending Test...				
Dates when Inspected		<u>16.8.40 to 22.8.40</u>		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Forging machined, examined & found satisfactory
6/9/40.

Fee (if any chargeable)

10/-

To be paid at

SUNDERLAND

* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.