

LEEDS TO Newcastle.

Received at

Office,

19

# Lloyd's Register of Shipping.

Report on Machinery, No.

Port

LEEDS

No. F.993

## ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Forgings or~~ Castings, as herein described, manufactured by Messrs. Hopkinsons Ltd. of Huddersfield for the Engines No.                      being constructed by Messrs. Wallsend Slipway & Eng. Co. of Wallsend-on-Tyne 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 Wallsend-on-Tyne.

Mark on ~~Forgings or~~ Castings.

Lloyd's

No. U.562, 5349, 5359, 5371.

L.A.W. 15-1-47 to 5-3-47.

LEEDS

	CRANK-SHAFT.	THRUST-SHAFT.	INTERMEDIATE SHAFT.	TOBB-SHAFT.
		<u>U.562</u> 3 - 4"	S.L.V. Covers.	
		<u>5349</u> 1 - 4"	" Body	
	<del>FLYWHEEL-SHAFT.</del>	<u>5359</u> 1 - 4"	-do-	SCHW-SHAFT.
		<u>5371</u> 1 - 4"	-do-	
Material* ...	E.F. & Conv. Steel			
How made ...	Cast			
If Annealed ...	Normalised			
Forgings (Dimensions)				
(Weight)				
Weight, Castings ...	6 cwts 3 qrs 8 lbs.			
Progress on Inspection...	Dressed.			
TEST RESULTS.	<u>U.562</u>	<u>5349</u>	<u>5359</u>	<u>5371</u>
Ultimate Tensile.				
Tons per sq. in...	33,0	31,7	28,6	36,6
Yield Point.				
Tons per sq. in...	19,5	20,0	16,6	23,0
Extension per cent.				
on 3 inches...	27,0	29,0	33,0	23,0
Red. of Area %	41,6	43,6	56,8	33,8
Cold Bending Test...	130°	130°	130°	130°
Dates when Inspected	15-1-47 to 5-3-47			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Hammer tests satisfactory.

Fee (if any chargeable) £1.1.0., Exp. 2/6d.

To be paid at

Leeds

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