

For the information of Surveyors and the Committee only
-1 AUG 1933

Received at _____

Office _____



Lloyd's Register of Shipping.

(Report on Machinery, No. 7962 Port Mch.)

No. 23802 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by The English Steel Corporation Ltd of Sheffield for the ~~Engines No. D. 49060~~ being constructed by The Metro-Vickers Electrical Co. Ltd of Manchester 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 _____

on Forgings or Castings:

M. A. Black

Sheffield
19/5/33

Lloyd's
No. 697
M.R.B. 16/5/33

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	<u>1 Coupling</u>	<u>1 Half Cover</u>	<u>1 Pinion</u>	
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Siemens</u>	<u>Steel</u>	<u>Nickel Steel</u>	
made ...		<u>Forged</u>		
unsealed ...		<u>Yes</u>		
Dimensions, Forgings	<u>Dia 21 7/16"</u>	<u>Dia 23 3/4"</u>	<u>Dia 6 1/4"</u>	
Weight, Castings				
Process on Inspection		<u>Rough</u>	<u>Machined</u>	
Tests on Standard Test Pieces.	<u>58911</u>	<u>58912</u>	<u>B.L. 58914</u>	<u>T.X.</u>
Weldable Test—	<u>30.7</u>	<u>30.9</u>	<u>45.3</u>	<u>45.0</u>
Tensile strength per square inch	<u>16.5³⁰</u>	<u>15.15³⁰</u>	<u>36.0²⁰</u>	<u>35.0²⁰</u>
Extension per cent	<u>35.0³⁰</u>	<u>35.0³⁰</u>	<u>26.0²⁰</u>	<u>19.0²⁰</u>
180° Bending Test—	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>	<u>180° W.F.</u>
Angle before fracture				
Date when Inspected	<u>3/5/33</u>	<u>To</u>	<u>16/5/33</u>	

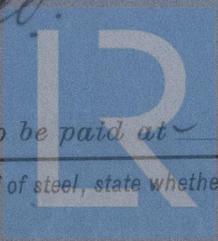
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Forgings examined after machining & found satisfactory.
Handled as above, Date & A.S.

(if any chargeable) £ -

To be paid at -

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



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W236-0072