

Lloyd's Register of Shipping.

(Report on Machinery, No. 57644 Port GLASGOW)No. 6531. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. David Rowan & Co. Ltd. of Glasgow for the Engines No. 998 being constructed by themselves of — 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 Messrs. David Rowan & Co. Ltd., Glasgow.

Mark on Forgings or Castings.

Lloyd's

No. 6531 & Test Nos. HAL L.C.D.W. L. James.Glasgow 28/8/1936.

	CRANK SHAFT. 3. PISTON RODS. 3. CRANK JOURNALS FLYWHEEL SHAFT.	1. THRUST SHAFT. 3. CRANK PINS. 1. COUPLING END (CRANK)	INTERMEDIATE SHAFT. 3. CONNECTING RODS.	TUBE SHAFT. 1. SCREW SHAFT.
Material* ...	<u>Siemens</u>	<u>Martin</u>	<u>Ingot</u>	<u>Steel.</u>
How made ...		<u>Forged.</u>		
If Heat Treated ...		<u>Yes.</u>		
Dimensions, Forgings		<u>As per plan.</u>		
Weight, Castings		<u>7. 6. 2. 14.</u>		
Progress on Inspection	<u>Forging</u>	<u>and</u>	<u>Testing.</u>	
Tests on Standard Test Pieces.	TEST Nos. <u>74. 75. 80.</u>	TEST Nos. <u>81. 82.</u>	TEST Nos. <u>84. 85.</u>	TEST No. <u>83.</u>
Tensile Test— Tons per square inch	<u>31.8 31.0 29.6</u>	<u>31.9 30.7</u>	<u>28.7 31.3</u>	<u>31.7</u>
Extension per cent	<u>30 27.5 35</u>	<u>34.5 33.5</u>	<u>33 29.5</u>	<u>31</u>
Cold Bending Test— Angle before fracture	<u>180 NF.</u>	<u>180 NF</u>	<u>180 NF.</u>	<u>180 NF.</u>
Dates when Inspected	<u>30/4/1936</u>	<u>10</u>	<u>27/8/1936.</u>	

Test Number

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

80 Two crank journals and one crank end
81 Three crank pins
82 one coupling end and one thrust shaft
83 one screw shaft
No Charge.

Test Number

74 & 75 - three piston rods
84 & 85 - three connecting rods

Fee (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.