

For the information of Surveyors and the Committee only.

Received at.....Office.....19

# Lloyd's Register of Shipping.

(Report on Machinery, No. 6791. Port Montreal, Que.)

4205  
No. 9937

## ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or Castings as herein described, manufactured by Canada Foundries & Forgings Limited Welland, Ont. of Trenton, N.S. by Trenton Steel Works Limited Montreal, Que. for the Engines No 35100-5 being constructed by Canadian Vickers Limited of Montreal, Que. for the Ship No....., being built by Port Arthur Shipbuilding Company, Limited of Port Arthur, Ont. 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 Canadian Vickers Limited, Montreal, Que.

on Forgings or Castings

Lloyd's  
No. 4205  
SM. 3.10.45

LLOYD'S  
9937  
TM. 8.6.45  
LAD. 15.10.45

(Signed) GEO. PEDDIE, J. H. NAIRN & E. E. ROBISON

MONTRÉAL, HALIFAX & TORONTO.

|                | CRANK SHAFT.<br>4205       | THRUST SHAFT.<br>9937 | INTERMEDIATE SHAFT.<br>PISTON RODS,<br>CONN. RODS, VALVE<br>SPINDLES, CROSS-<br>HEADS, etc. | TUBE SHAFT.<br>SCREW SHAFT |
|----------------|----------------------------|-----------------------|---|----------------------------|
|                | <del>FLY WHEEL SHAFT</del> |                       |   |                            |
|                | O.H. Steel                 | O.H. Steel            | O.H. Steel  |                            |
|                | Forged & Built             | Forged                | Forged  |                            |
|                | Yes                        | Yes                   | Yes   |                            |
|                | 5 1/2" dia.                | 5 1/2" dia.           | Various   |                            |
|                | - -                        | - -                   | - -   |                            |
|                | - -                        | - -                   | - -   |                            |
|                | Rough machined             | Rough turned          | Rough machined  |                            |
| RESULTS.       | MAX. MIN.                  |                       | MAX. MIN.   |                            |
| Tensile.       |                            |                       |   |                            |
| per sq. in.    | 72,880 67,000              | 67,600                | 81,360 67,760   |                            |
| Point.         |                            |                       |   |                            |
| per sq. in.    | 39,600 31,300              | - -                   | 46,880 43,760   |                            |
| ion per cent   |                            |                       |   |                            |
| 2 inches       | 28.0 31.0                  | 34.0                  | 31.0 39.0   |                            |
| f Area %       | 53.4 58.0                  | - -                   | 56.0 64.3   |                            |
| ending Test    | 180° without fracture      | 180° without fracture | 180° without fracture   |                            |
| when Inspected | 3.10.45                    | 8.6.45 15.10.45       | 2 24.10.45  |                            |

### PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

AFTS and RODS examined when finished, with the exception of the t Coupling of Thrust Shaft, and found satisfactory. gine dispatched to PORT ARTHUR SHIPBUILDING COMPANY, LIMITED.

Encl. Rpt. 6791

J. S. Morrison,  
MONTREAL

any chargeable) Charged

To be paid at MONTREAL, HALIFAX & TORONTO.

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

012827-012835-0141