

9 SEP 1933

Received at

Office,

19

Lloyd's Register of Shipping.

(Report on Machinery, No. 8338 Port Bilbao.)No. 202 ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by Messa. Soc. Top. de Conet. Naval of Leizosa for the Engines No. ⁵¹⁶⁰³³³~~5160334~~ being constructed by Soc. Top. de Conet Naval of Sestao, Bilbao for the Ship No. 27, being built by Messa Ichevarrieta y Larinaga of badin 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 Sestao

Mark on Forgings or Castings.

Lloyd's

No. 5. 48, 49, -56, 57, 58, -88, -102, 103-
G.D. 3.5.32 - 31.5.32 - 1.7.32 - 13.7.32

G. Dixon.

Bilbao.

~~CRANK SHAFT.~~~~THRUST SHAFT.~~~~INTERMEDIATE SHAFT.~~~~TUBE SHAFT.~~~~FLYWHEEL SHAFT.~~~~SCREW SHAFT.~~Piston Rods

Material* ...

How made ...

Annealed... ..

Dimensions, Forgings

Weight, Castings ...

Progress on }
Inspection }Tests on Standard
Test Pieces.

Tensile Test—

Tons per square inch
 $\frac{kg}{cm^2}$

Extension per cent

Cold Bending Test—

Angle before fracture

Dates when Inspected

| | Nº 48 | Nº 49 | Nº 56 | Nº 57 | Nº 58 | Nº 88 | Nº 102 | Nº 103. |
|---|------------------------------------|--------|---------|---------|---------|---------|---------|---------|
| Material* | S.M. Steel | | | | | | | |
| How made | Forged. | | | | | | | |
| Annealed | Yes. | | | | | | | |
| Dimensions, Forgings | | | | | | | | |
| Weight, Castings | | | | | | | | |
| Progress on } Inspection } | Forged, rough & finished machined. | | | | | | | |
| Tests on Standard Test Pieces. | | | | | | | | |
| Tensile Test— | | | | | | | | |
| Tons per square inch $\frac{kg}{cm^2}$ | 51.5 | 49.6 | 50.2 | 51.4 | 50.9 | 50.2 | 47.8 | 51.1 |
| Extension per cent | 36 | 36 | 37 | 32 | 32 | 36 | 37 | 32 |
| Cold Bending Test— | | | | | | | | |
| Angle before fracture | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° |
| | 5.4.32 | 5.4.32 | 5.5.32 | 5.5.32 | 5.5.32 | 31.5.32 | 31.5.32 | 31.5.32 |
| Dates when Inspected | 3.5.32 | 3.5.32 | 31.5.32 | 31.5.32 | 31.5.32 | 1.7.32 | 13.7.32 | 13.7.32 |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

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.