

17 SEP 1945

Received at _____ Office, _____ 19

Lloyd's Register of Shipping.

Order: **683685** (Report on Machinery, No. **377** Port of **Düsseldorf**)

No. **46288** ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by **Messrs. Klöckner Humboldt Deutz A.G.** of **Köln-Deutz** for the Engines No. _____ being constructed by **Messrs. Nederlandsche Scheepsbouw My.** of **Amsterdam** for the Ship No. **280**, 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 **Amsterdam**

The words FORGINGS or CASTINGS should be struck out as may be required.

Mark on Forgings or Castings.

~~crank shaft~~

Lloyd's

No. **67**

7.3.41.

connecting rod **Düsseldorf, 19th March, 1941.**

1/5 18/2, 18/4, 18/6

[Signature]
SURVEYOR TO LLOYD'S REGISTER

| | CRANK SHAFT 1 crank shaft | CONNECTING RODS 3 connecting rods | SCREW SHAFT SCREW SHAFT. |
|--|---|---|--|
| Material* ... | Open Hearth Ingot Steel | | |
| How made ... | forged | forged | |
| If Annealed... | heat treated | heat treated | |
| Dimensions } Forgings | | | |
| Weight } | | | |
| Weight, Castings ... | | | |
| Progress on } Inspection | rough turned and finished | rough turned | |
| TEST RESULTS. | | | |
| Ultimate Tensile. kg/mm² | 54.5 | 87.1 | |
| Yield Point. kg/mm ² . | 31.5 | 74.2 | |
| Extension per cent on 2 inches | 28.0 | 16.8 | |
| Red. of Area % | 56.0 | 64.0 | |
| Cold Bending Test... | 180° good | 180° good | |
| Dates when Inspected | 7.3.41. | 7.3.41. | |

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.



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W305-0175