

# LLOYD'S REGISTER OF SHIPPING

## \*SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. T. S. Forster & Sons Ltd. of Sunderland.

\*for the Engines No. 526 being constructed by The Grangemouth Dockyard Co. Limited.  
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

GRANGEMOUTH

N. 7269

| ITEM                        | FORWARD INTER SHAFT. | PROP. SHAFT. | INTER. SHAFT. | INTER. SHAFT. | FWD. INTER. SHAFT. | INTER. SHAFT. |
|-----------------------------|----------------------|--------------|---------------|---------------|--------------------|---------------|
| Identification No.          | 4604                 | 4605         | 4606          | 4607          | 4608               | 4609          |
| Surveyor's Initials.        | JM                   | JM           | JM            | JM            | JM                 | JM            |
| Materials.                  | S.M. Ingot Steel     |              |               |               |                    |               |
| How made.                   | Forged               |              |               |               |                    |               |
| Heat treated.               | Yes                  |              |               |               |                    |               |
| Dimensions.                 | As per plan.         |              |               |               |                    |               |
| Weight.                     |                      |              |               |               |                    |               |
| Progress on Insp. Test Nos. | Black Forged         |              |               |               |                    |               |
|                             | V 407                | V408         | V 413         | V 414         | V 415              | V 416         |
| Yield tons per sq."         | 20.4                 | 16.4         | 16.8          | 16.8          | 18.4               | 16.8          |
| Ult. tons per sq."          | 32.0                 | 28.8         | 28.8          | 28.8          | 32.0               | 29.2          |
| Elong. % on 2"              | 33%                  | 33%          | 36%           | 36%           | 34%                | 34%           |
| Reduc. of Area %.           |                      |              |               |               |                    |               |
| Cold Bend.                  | 180o                 | 180o         | 180o          | 180o          | 180o               | 180o          |
| Brinell.                    |                      |              |               |               |                    |               |
| Izod.                       |                      |              |               |               |                    |               |
| Final date.                 | 9/10/59              |              |               |               |                    |               |

Date of approval of chemical analysis, physical properties and heat treatment in the case of special steels for reduction gearing forgings.

Other tests :

Fee : TO BE INCLUDED IN MONTHLY ACCOUNT

Signature J. MUMBERSON.

Expenses :

Received at \*Delete where not applicable

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Lloyd's Register Foundation

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