

## Lloyd's Register of Shipping.

\*SHIP/OR ENGINE FORGINGS OR/CASTINGS/

I have to report that the Forgings, ~~Castings~~ as herein described, manufactured by Mitsubishi Steel Mfg. Co., Ltd. of Nagasaki  
 \*for the Engines No. - being constructed by -  
 of - for the Ship No. 144 being built by Mitsubishi  
 Zosen K.K. of Hiroshima  
 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 the above Shipyard.

## ITEM One (1) 1st Intermediate Shaft

|                       |                         |                                |                          |
|-----------------------|-------------------------|--------------------------------|--------------------------|
| Identification No.    | Nag                     | 3217                           |                          |
| Surveyor's Initials.  |                         | A.I.                           |                          |
| Materials.            | Heat No.<br>(Test Mark) | NSW.49884<br>F.S. HL-14        |                          |
| How made.             |                         | Electric furnace               |                          |
| Heat treated.         |                         | Yes                            |                          |
| Dimensions.           | Dia of shaft<br>425 mm. | Dia of flange<br>990mm, 760mm. | Total length<br>7,366mm. |
| Weight.               | kgs                     | 9,020 as rough turned          |                          |
| Progress on Insp.     |                         | Rough turned condition         |                          |
| Yield. T. per sq. in. |                         | (T) 16.4                       | (B) 16.6                 |
| Ult. T. per sq. in.   |                         | 31.5                           | 31.7                     |
| Elong. % on 2 in.     |                         | 35.0                           | 33.0                     |
| Reduc. of Area %      |                         | 56.2                           | 54.2                     |
| Gold Bend.            |                         | good                           | good                     |
| Brinell.              |                         | 146                            | 140                      |
| Izod.                 |                         | -                              | -                        |
| Final date.           |                         | 20-8-60                        |                          |

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

Other tests: NSW.49884  
 HL-14  
 LLOYD'S NAG  
 NO.3217  
 A.I. R 20-8-60

Fee:

Expenses

Signature

K. Chada for A. Imai  
 Date 23.8.1960

\*Delete where not applicable.

|                            |
|----------------------------|
| Examined finished machined |
| Port Shimonoseki           |
| Date 24-10-60 and marked   |
| for identification         |
| LLOYD'S                    |
| SMK                        |
| NAG No. 3217               |
| 24-10-60                   |