

# Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 16th March 1933.

Cert. No. 3426.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe, the Open Hearth Steel Forgings ~~or Castings~~ <sup>was</sup> ~~were~~ examined and tested at their works on the 9th & 12th Jan. 2nd & 10th Feb., 11th Mar. 1933, and found to be as far as could be ascertained, sound and free from defect.

one (1) Three-throw solid Forged crank shaft,  
100 m/m dia. of pins and journals.

Drop tests: Examined in finished condition.

| Test Mark | Tenacity<br>Tons/sq in | Elongation<br>% in 2" | Bend<br>1" x 2" x 180° |
|-----------|------------------------|-----------------------|------------------------|
| 0 5095 B  | 31.8                   | 32                    | Good                   |
|           |                        |                       |                        |
|           |                        |                       |                        |
|           |                        |                       |                        |

This crank shaft is intended for Marina shipbuilding and Engineering Co., Yard No. 169, 50 K.W. Auxiliary engine, and <sup>has</sup> ~~have~~ been stamped as follows:-

05095B :  
LLOYD'S :  
No. 3426 :  
11-3-33 :  
H. & V. LR :

Fee Yen 20:00

Expenses ,, 1:00

*H. V. L. R.*

Surveyor to Lloyd's Register.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that :—  
"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society or for any error of judgment, default, or negligence of the Surveyors, other Officers or Agents of the Society."



*Handwritten:* H. 189  
M.C. 227  
2427  
③

Lloyd's Register of Shipping  
(MEIKAI BUILDING)  
32, AKASHI-MACHI

KOBE, JAPAN

This is to certify that at the request of the  
the Open Hearth Steel Forging Works named below examined and  
tested at their works on the 1st day of July 1927 and  
and found to be as far as could be ascertained, sound and free from defect.

| Test Mark | Tensile in Tons | Elongation in % | Bar |
|-----------|-----------------|-----------------|-----|
|           |                 |                 |     |
|           |                 |                 |     |
|           |                 |                 |     |
|           |                 |                 |     |

This certificate is intended for use in Japan and this has been stamped as follows:



*Handwritten signature:* Lloyd's Register

Secretary to Lloyd's Register

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—  
"While the Committee are best advised to ensure that the fitness of the material is properly examined, it is to be understood that neither the Committee nor the Society are under any circumstances to be held responsible for any inaccuracies in any report or certificate issued by the Society or its Surveyors or in any copy in the Register Book or other publication of the Society or for any error of judgment, default, or negligence of the Surveyors, their Officers or Agents of the Society."