

Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 25th May 1933.

Cert. No. 3481.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe, the Open Hearth Steel Forgings or Castings named below ~~were~~ ^{were} examined and tested at their works on 15 Nov., 1932, 9, 14, 24 Mar., 11, 21 Apr., 6, 15, 18 May 1933, and found to be as far as could be ascertained, sound and free from defect.

one (1) solid forged three-throw crank shaft 450 m/m dia. and 490 m/m journal dia. with four Cast Steel balance weights.

examined in finished condition.
Drop tests: Dropped from a height of 8 feet to the hard steel slab then suspended and hammered without indication of defect.

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	Bend 1" x 2" x 180°
D 3817 A 2	31.5	31	Good

This crank shaft is intended for marine shipbuilding and Engineering Co. 1078 No. 187 Main Engine governing pump, and ~~has~~ ^{have} been stamped as follows:-

Fee Yen 195:00
Expenses " -- --

D3817A2
LLOYD'S
No. 3481
15-5-33
H.A.C. Ltd.

M. Garnett
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."



Lloyd's Register of Shipping

(MEIKAI BUILDING)

32, AKASHI-MACHI

KOBE,

Cert. No. 1000

This is to Certify that on the request

of the Open Hearth Steel Works or Castings named below examined and tested at their works on and found to be as far as could be ascertained sound and free from defect

Drop tests: ...

Test Mark	Tensile in Tons sq in	Blow in	Hard

and has been stamped as follows: intended for

See Japanese

Signature

Signature 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 endeavors to ensure that the positions of the Society are properly entered it is to be understood that neither the Committee nor the Society are liable 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.



Crank shafts 8 I 18 a