

Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 30th. November 1929.

Cert. No. 2261.

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} examined and tested at their works on 21st. Sept. to 21st. Nov. 1929 (5 visits)

and found to be as far as could be ascertained, sound and free from defect.

Four (4) Crank shafts for Emergency Air Compressor with Hot Bulb Engine, having crank pin 80 m/m and journal 70 m/m dia.

Examined in finished condition.

Drop tests:

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	1" x 1/2" x 180° Bend
B3131B1-A	33.0	32	Good
B3131B1-B	33.0	32	"
B3131B2-A	33.1	28	"
B3131B2-B	33.1	28	"

These crank shafts are intended for Mitsubishi Zosen Kaisha

Nagasaki, Ship Nos. 471 to 474.

and ^{has} _{have} been stamped as follows:-

TEST MARKS AS ABOVE
LLOYDS
No. 2261
21-11-29
A.W. L.R.

Fee Yen 100.00

Expenses " 2.00

Acclatt

Surveyor to Lloyd's Register.

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
good that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy
report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the
or for any error of judgment, default, or negligence of the Surveyors, other Officers or Agents of the Society."



Lloyd's Register
Foundation

007679-007687-0215

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



Superior to Lloyd's Register

W. A. T. R.
ST-11-23
1282
TROY
TEST MARKS AS ABOVE

Low 100.00
1.8.00

and ^{from} _{has} been stamped as follows:—

These crank spindles are intended for attachment to open valves

Test Mark	Tonnes in Tensile	Elongation % in 8"	1" x 5/8" Bend 180°
00131B3-B	33.1	28	"
0131B3-Y	33.1	28	"
0131B1-B	33.0	28	"
0131B1-Y	33.0	28	"

Prob tests: Examined in finished condition.

Ship engine, heating crank pin 80 m and journal 80 m dia.
four (4) crank spindles for emergency air compressor with hot
and found to be as far as could be ascertained sound and free from defect
pressed at their works on 21st Sept. 1922. 22 Sept. Nov. 1922 (3 visits)
the Open Hearth Steel Foundry & Castings named before were examined and
results. The Kobe Steel Works Ltd., Kobe.

This is to Certify that the aforesaid

KOBE 20th November 1922

35, AKASHI-MACHU
(MEIKAI BUILDING)

Comp
Lloyd's Register of Shipping