

# COPY

## Lloyd's Register of Shipping,

Port

NAGASAKI.

12th August 1929.

CERTIFICATE No.170.

This is to Certify that

K. Kishigami.

the undersigned Surveyor to this Society did at the request of

Messrs. Mitsubishi Denki Kaisha, Ltd., attend at their works at Nagasaki, on the 2nd & 5th Aug. 1929, in order to examine under test two sets of Shunt wound, 10 KW/16 HP. Motor-Generators for Lighting.

10 KW. Generator (Nos.12298 & 12299),  
100 volts, 100 amps and 1500 revolutions.  
16 HP. Motor (Nos.12304 & 12305).  
220 volts, 65 amps and 1500 revolutions.

These Motor-Generators ordered by Messrs. Yokohama Dock, Co. Ltd., are intended for Vessel No.173, now being built by them.

The Motor-Generators were submitted to the following tests:-

Full load test of 5½ hours duration.  
25% overload test of 2 hours duration.  
50% overload test for 3 minutes.

The rise of temperature was measured <sup>by</sup> thermometers and on completion of trials high voltage (2000 volts, A.C.) and insulation tests were carried out, and all found satisfactory.

For purposes of identification the Motor-Generators have been stamped on the casings as follows:-

G.No.12298.

G.No.12299.

M.No.12304.

M.No.12305.

LLOYD'S  
No.170. *KK*  
K.K. 2-8-29.

LLOYD'S  
No.170-B. *KK*  
K.K. 5-8-29.

LLOYD'S  
No.170-A. *KK*  
K.K. 2-8-29.

LLOYD'S  
No.170-C. *KK*  
K.K. 5-8-29.

*K. Kishigami*

Assist. Surveyor to Lloyd's Register

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