

# COPY

## Lloyd's Register of Shipping,

Port NAGASAKI.

26th November 1929.

CERTIFICATE No. 224.

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 13th & 14th November 1929, in order to examine under test two sets of Shunt wound, 10 KW.- 16 HP. Motor-Generators, for Lighting.

10 KW. Generators (Nos. 12302 & 12303).  
100 volts, 100 amps, and 1500 r.p.m.

16 HP. Motors (Nos. 12308 and 12309).  
220 volts, 63 amps, and 1500 r.p.m.

These Motor-Generators ordered by Messrs. Yokohama Dock, Co. Ltd., are intended for Vessel No. 175, now being built by them.

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

Full load test of 5 hours duration.  
25% overload test of 2 hours duration.  
50% overload test for 3 minutes.

The rise of temperature was measured by 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. 12302.

LLOYD'S  
No. 224. *JK*  
K.K. 13-11-29.

G.No. 12303.

LLOYD'S  
No. 224-B. *JK*  
K.K. 14-11-29.

M.No. 12308.

LLOYD'S  
No. 224-A. *JK*  
K.K. 13-11-29.

M.No. 12309.

LLOYD'S  
No. 224-C. *JK*  
K.K. 14-11-29.

*K. Kishigami*  
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