

COPY.

# Lloyd's Register of Shipping.

Port NAGASAKI.

15th April, 1930.

CERTIFICATE No.302.

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 7th & 8th April 1930, in order to examine under test, Two Shunt wound, direct current, 75 H.P. Motors, Nos.12783, and 12784, of 220 volts, by 285 amps, and 1730 (1650-1950) revolutions per minute, for Cooling Water Pump.

These motors ordered by Messrs.Nagasaki Works, Mitsubishi Zosen Kaisha,Ltd., are intended for Vessel No.473, now being built by them.

The motors 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.  
High speed test (1950 r.p.m) for 5 minutes.  
Low speed test (1650 r.p.m) for 5 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 motors have been stamped on the casings as follows:-

Motor No.12783.

Motor No.12784.

LLOYD'S  
No.302. *R*  
K.K. 7-4-30.

LLOYD'S  
No.302-A. *R*  
K.K. 8-4-30.

*K. Kishigami.*

Assist. Surveyor to Lloyd's Register

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the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is 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, or other Officers or Agents of the Society.

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007825-007833-0182