

COPY.

Lloyd's Register of Shipping.



Port NAGASAKI.

16th March, 1931.

CERTIFICATE No.415.

This is to Certify that

T. Kunishi.,

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 & 3rd March 1931, in order to examine under test, Two Compound wound, direct current, 8.5 H.P. Motors, Nos.13364 & 13365, of 220 volts by 35 amps at 1200 revolutions per minute for Lubricating Oil Pumps.

These motors ordered by Messrs. Nagasaki Works, Mitsubishi Zosen Kaisha, Ltd., are intended for Vessel No.491, now being built by them.

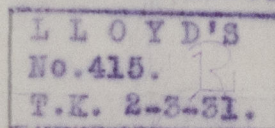
The motors were submitted to the following tests:-

- Full load test of 5½ hours duration.
- 25% overload test of 2 hours duration.
- 50% overload test for 3 minutes.
- High speed test (1400 r.p.m.) for 5 minutes.
- Low speed test (1150 r.p.m.) for 5 minutes.
- Over speed test (1800 r.p.m.) for 5 minutes.

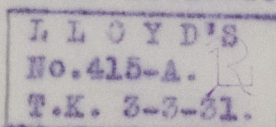
The rise of temperature was measured by thermometers and on completion of trials high voltage (2000 volts, A.C.) and insulation tests were carried out, and all found satisfactory.

For purpose of identification the motors have been stamped on the casings as follows:-

Motor No.13364.



Motor No.13365.



T. Kunishi
Assist. 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 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."