

# COPY

## Lloyd's Register of Shipping.



Port NAGASAKI.

25th April 1933.

CERTIFICATE No. 676.

**This is to Certify that**

at the request of Messrs. Mitsubishi Denki Kaisha, Ltd., Nagasaki, attend at their works, on the 16th & 19th April 1933, in order to examine under test, Two Shunt wound, direct current, 5 H.P. Motors, No. 14113 & 14114, of 220 volts by 22 amps at 1200 revolutions per minute, for Fuel Oil Service Pump.

These Motors ordered by Messrs. Kobe Seiko-sho. Kobe, are intended for Vessel No. 189, now being built by Messrs. Harima Kosen-sho.

The Motors were submitted to the following tests:-

Full load test of 4½ hours duration.  
25% overload test of 2 hours duration.  
50% overload test for 2 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. 14113.

LLOYD'S  
No. 676.  
H.D.B. 18-4-33

Motor No. 14114.

LLOYD'S  
No. 676-A.  
H.D.B. 19-4-33

*H.D. Buchanan*

SURVEYOR TO LLOYD'S REGISTER.

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