

87995.

L O N D O N.

16TH JULY, 1924.

E. J. STODDART

J. Watanabe, Esq., the Owners' Representative, attend the works of Messrs. W.H. Allen, Sons & Co. Ltd., at Bedford, on the 29th January, 1924, and subsequent dates, for the purpose of surveying during construction three electric generating sets intended for use on board the vessel No. 484 being built by Messrs. The Kawasaki Dockyard Co

Each generating set consists of a "Burmester & Wain" type Diesel Engine having three cylinders 325 mm in diameter and a piston stroke of 350 mm, working on the four stroke single acting principle and developing 150 B.H.P. at 300 revs. per minute.

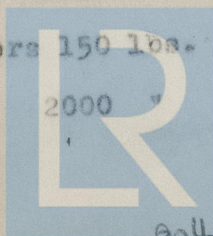
This engine is directly coupled to a multipole (with interpoles) compound wound, direct current dynamo, having an output of 100 K.W., the voltage being 225 and the amperes 445.

The castings were examined when machined and appeared to be of sound material. Water tests were carried out on various parts and found satisfactory. viz :-

Water jackets of cylinders, cylinder covers and compressor cylinders 50 lbs. per square inch.

1st stage compressor cylinders 150 lbs. per square inch.

2nd " " " 2000 " " " " " "



© 2020

Lloyd's Register
Foundation

009040 - 009049 - 0231/2

Blast and starting air bottles 2000 lbs. per square inch.
Fuel oil pumps 2000 " " " "

The forgings were made from tested ingot steel and appear to be sound and the workmanship throughout was satisfactory.

Upon completion each set was subjected to a six hours full load trial and the results as witnessed were considered satisfactory, the machinery throughout running smoothly and without undue heating.

For identification purposes the three engines bear brass plates with the numbers 52330/1, 52330/2 and 52330/3. and the corresponding dynamos, plates with the numbers 52331/1, 52331/2 and 52331/3.

These generating sets were afterwards dismantled and packed in cases for shipment to Japan.

Fee - £22.1.0.

Expenses - £6.12.10.

E. J. Stoddart.

Surveyor to Lloyd's Register.



© 2020

Lloyd's Register
Foundation

009040-009049-02513/2