

Lloyd's Register of Shipping.



Port GLASGOW

26th August, 1937

This is to Certify that

L. C. DAVIS

the undersigned Surveyor to this Society did at the request of Messrs. David Rowan & Co. Ltd., attend their Works on the 14th February 1936 and subsequent dates for the purpose of examining during construction and testing one Rowan Gotaverken Turbo Compressor, designated in their Works as T.C. 79 and intended to be fitted with their Engines No. 1007 in the new Steamer "IRON KNIGHT", of Melbourne, Messrs. Lithgows Limited's Yard No.902.

The Turbine, Compressor and Feed Water Heater were examined by the undersigned in their several stages through the shops. Hydraulic tests were made, the turbine casing being subjected to 20 lbs. per sq. inch, and the compressor casing to 180 lbs. per sq. inch. These proved satisfactory and the casings were stamped as below.

The low pressure feed water heater was hydraulically tested with satisfactory results, and the shell and tubes were stamped as below.

The oil operated valve for changing over the main engine exhaust to either turbine or condenser was tried and found satisfactory in operation.

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This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is 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 any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

On completion the turbine was tried under steam when a speed of 7,700 revs. per minute was attained, i.e. 1.35 x normal running speed. At all speeds the turbine ran satisfactorily and no vibration was apparent.

The turbine was subsequently opened for examination and found in good condition.

Mark on Turbine Shaft.

LLOYD'S
No. 359
14.7.37
L.C.D.

Mark on Compressor Shaft.

LLOYD'S
No. 369
14.7.37
L.C.D.

Mark on Turbine Casing.

LLOYD'S TEST
20 lbs.
14. 2. 36
L.C.D.

Mark on Compressor Casing.

LLOYD'S TEST
180 lbs.
4. 3. 36.
L.C.D.

Marks on Low pressure Feed Water Heater:-

Cast Iron Shell.

LLOYD'S TEST
30 lbs.
10. 2. 37.
L.C.D.

Tubes.

LLOYD'S TEST.
750 lbs.
5. 2. 37.
L.C.D.

(Sgd) L. C. DAVIS.

Surveyor to Lloyd's Register.

Fee:- £.10.-.-.



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Foundation

W180-0243(212)