

COPY.

28 MAR 1934

Lloyd's Register of Shipping.

GLASGOW REPORT No. 54332

Port GLASGOW,

22nd March, 1934.



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 5th July 1933 and subsequent dates for the purpose of examining during construction and testing One Rowan-Gotaverken Turbo Compressor, designated in their Works as T.C. 51 and intended to be fitted by Messrs. David Rowan & Co. Ltd., with their Engines No. 962 in the new Steamer "HARTLEBURY" of London.

The Turbine, Compressor, Centrifugal Feed Pump 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 square inch, the compressor casing to 180 lbs. per square inch, and the centrifugal feed pump casing to 570 lbs. per square inch. These proved satisfactory and the casings 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.

The low pressure feed water heater was hydraulically tested. The pressure to which the casing and tubes were subjected is as shown in the marks on feed water heater below.

Upon completion the turbine was tried under steam

when/

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 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 Committee or any Member thereof, or Surveyors, or other Officers or Agents of the Society."

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when a speed of 8,650 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.

LLOYDS
No. 771
L.C.D.
2. 2. 34

Mark on Turbine Casing.

LLOYD'S TEST
20 lbs.
L.C.D.
7. 10. 33.

Mark on Compressor Casing.

LLOYD'S TEST
180 lbs.
G.E.M.
13. 10. 33

Mark on Feed Pump Casing.

LLOYD'S TEST
570 lbs.
L.C.D.
27. 12. 33

Marks on Low Pressure Feed Water Heater Cast Iron Shell:

Tubes.

LLOYD'S TEST
30 lbs.
L.C.D.
17. 1. 34

LLOYD'S TEST
50 lbs.
L.C.D.
19. 1. 34.

L. C. Davis

Surveyor to Lloyd's Register.



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