

COPY.

Lloyd's Register of Shipping.



Port GLASGOW,

25th January, 1935.

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 12th April 1934 and subsequent dates for the purpose of examining during construction and testing one Rowan-Gotaverken Turbo Compressor, designated in their Works as T.C. 54 and intended to be fitted by Messrs. J.G. Kincaid & Co. Ltd. with their Engine No. 660 in the new Steamer "DARCOLN", Messrs. Wm. Hamilton & Co's Yard No. 409.

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 square inch, and the compressor casing to 180 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 shewn in the marks on the feed water heater below.

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."

below.

On completion the turbine was tried under steam 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.

LLOYD'S
No. 1093
24.10.34.
L.C.D.

Mark on Compressor
Shaft.

LLOYD'S
No. 1093
24.10.34.
L.C.D.

Mark on Turbine
Casing.

LLOYD'S TEST
20 lbs.
20. 3. 34.
J.D.

Mark on Compressor
Casing.

LLOYD'S TEST
180 lbs.
18.4.34.
L.C.D.

Marks on Low Pressure Feed Water Heater
Cast Iron Shell:

LLOYD'S TEST
30 lbs.
24. 4. 34.
L.C.D.

Tubes:

LLOYD'S TEST
450 lbs.
8.11.34.
L.C.D.

Sc Davis

Surveyor to Lloyd's Register.

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