

COPY.

4 JUN 1943

Lloyd's Register of Shipping.



Port LISBON

28th. May 1943

D.873.

This is to Certify that

J. Guthrie,

the undersigned Surveyor to this Society did at the request of the Agents and with the consent of the Master attend on board the steamer

"LLANCARVAN".

4910 tons gross of London on the 17th. May 1943 and subsequent dates, whilst lying afloat at Lisbon for the purpose of examining the main engine reduction gear with a view to ascertaining if any damage had been sustained through the breakdown of the turbine pinion on the 10th. May 1943 whilst on a voyage from the U.K. Lisbon.

For further particulars please see Log Books.

The engine consists of a White's combined steam reciprocating and turbine unit.

Upon examination the undersigned

FOUND:-

Turbine pinion teeth stripped and the white metal of the bearings badly scored.

Turbine primary wheel teeth chipped and broken at the inner corners.

RECOMMENDED:-

Pinion to be renewed and bearings to be re-metalled.

Wheel teeth to be dressed broken corners removed and shaft to be tested for truth in lathe.

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 hereof, or the Surveyors, or other Officers or Agents of the Society."

In addition, it was recommended that the bearings of the turbine secondary pinion, reciprocating engine pinion and main wheel shaft be opened out, examined and adjusted where necessary, and the gearing alignment checked.

Also, that the gear case be cleaned out and the lubricating oil purified.

A new turbine pinion was ordered to be sent out from England by Air Mail and the opening out of the reduction gear was commenced.

Due to unforeseen circumstances, however, the delivery of the pinion has been delayed, and further work on the turbine wheel has therefore been suspended.

The following repairs have now been carried out:-

- Turbine pinion and bearings removed.
- Turbine wheel and secondary pinion shaft tested for alignment in position in the gear case, and bearing clearances checked.
- Reciprocating engine pinion bearing clearances checked.
- All pinion and main wheel teeth examined.
- Gear case cleaned and lubricating oil purified
- Reciprocating engine exhaust steam led to main condenser.

(Signed) J.Guthrie.

Surveyor to Lloyd's Register.

Fee & Expenses. Esc:-1.100\$00



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Foundation

W188-0010(212)