

COPY

CERTIFICATE N° M. 5309

LLOYD'S REGISTER OF SHIPPING



Port of GENOA

28th February, 1961.

This is to Certify that

G. VIGO

the undersigned Surveyor to this Society did at the request of the Owners, attend at the Works of Messrs. Cantieri del Tirreno, placed at Riva Trigoso (Genoa), on the 19th January, 1961 and subsequently, for the purpose of examining and surveying repairs carried out as below indicated on the following :

Two - H.P. STEAM TURBINES, Port & Starboard, of the s.s. "HELLAS" (n°63971 in Register Book).

The above H.P. steam turbines were opened up, examined, and found, or now placed in good condition.

Repairs carried out :-Port & starboard H.P. Steam Turbines :

Rotor shaft lightly ground in way of bearings : bearings now remetalled.

Thrust collar lightly ground : thrust pads now remetalled.

Rotor shaft found scored in way of labyrinth glands, ground and labyrinth packings renewed.

Labyrinth gland sleeves and labyrinth dummy cylinder, found wasted, renewed, and its casing housings bored.

The labyrinth collars on dummy piston lightly ground.

On completion the turbine rotors satisfactorily dynamically balanced.

Casing : - The flange joint surfaces manually adjusted. Four holes of the casing joint, of each half casing, bored and its bolts renewed.

Flexible coupling :- The cone of the rotor shaft and its coupling found eccentric; the shaft cone ground and coupling hole adjusted by addition of electrolytic metal (Chrome) and bored.

Contd./..

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."

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Starboard turbine casing :-

The metal thickness of the 0.8 m/m between flange joint, now removed.

Other minor repairs satisfactorily carried out.

Afterwards the H.P. steam turbines, port & starboard, were examined under steam in shop without load, driven at 3800 R.p.m. with steam inlet about to 10 Kg/cm² at 380° C. with satisfactory results.

Finally they were opened up, examined and found in good order.

The above steam turbines have now been despatched to Piraeus to be re-fitted on board the s.s. "HELLAS".

Vigo

(G.Vigo)

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.

GV/ev.



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Foundation

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