

COPY.

Lloyd's Register of Shipping.



Port of Hamburg.

13th June 1927.

This is to Certify that

A. Carstensen

the undersigned Surveyor to this Society did at the request of Messrs. Motorenwerke Mannheim A.C. vorm Benz examine at the works of Messrs. Reiherstieg-Deutsche Werft A.C. Hamburg two S.A.2 S.C. direct reversible 4 cylinder Diesel Engines, having a cylinder diameter of 290 mm. and a stroke of 430 mm. Type P.4 K. No.2315-2316

These engines were examined when all the cylinders, pistons, air pumps, valves and all working parts had been opened out, and were found to be in good condition. All the cooling water chambers have been hydraulically tested under a pressure of 5 kg. per sq.cm., and were found tight at this pressure.

Materials used in the construction were found to be as far as could be seen sound and free from defects and the workmanship throughout is good. Crank shafts and air receivers are made of material tested by the Germanischer Lloyd, the stamps have been checked and found in conformity with the certificates of the Germanischer Lloyd. The air receivers have been hydraulically tested to the requirements as prescribed in the Society's Rules. In the event of these engines being installed in a vessel classed with this Society in accordance with the requirements of the Rules they will be eligible to have the record of L.M.C. with date without the distinguishing mark "2" subject to all Rule requirements relating to spare parts as specified in Section 6 of the Rules being complied with. For identification purpose these engines are marked:-

Starboard engine.	Port Engine.
No.2315.	No.2316.
Lloyd's A.C.	Lloyd's A.C.
21.5.27.	21.5.27.

Marks on air receivers.

2 starting air receivers.	2 spare air receivers.
No.908/9	No.355/5 - 355/6
Lloyd's Test	Lloyd's Test
22 kg./cm ²	150 kg/cm ²
W.P. 12 "	W.P.60 "
A.C. 23.5.27.	A.C. 23.5.27.

2 blast air receivers.

No.2315/6
No.2316/5
Lloyd's Test
150 kg/cm²

(SIGNED)....A.CARSTENSEN.
Surveyor to Lloyd's Register.

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 to be understood that neither the Committee nor the Society are 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 the Surveyors, or other Officers or Agents of the Society."