

COPY.

Lloyd's Register of Shipping.



Port of Düsseldorf.

14th January 1931.

This is to Certify that

Julius Quast

the undersigned Surveyor to this Society did at the request of Messrs. Humboldt-Deutzmotoren A.G. of Oberursel survey one 2 cylinder 2 cycle single acting compressorless auxiliary heavy oil engine Type PMZ 322 under the shop No. 181273/74 of 150mm diameter of cylinder, and 220mm of stroke with 500 revolutions per minute and 30 B.H.P. constructed by Messrs. Humboldt-Deutzmotoren A.G. at Oberursel to the order of Messrs. I.I. Onnes of Gröningen.

On 27th November 1930 all cylinder jackets, cylinder covers, water circulating pump and exhaust pipe have been examined and tested to 50 lbs.p.sq.inch., and the bed plate frame casting have been examined; all parts were found satisfactory.

On 8th January 1931 the complete engine has been examined on the trial bed for 1 hour under working condition with full rated load and for further 2 hours with 10% overload.

The engine was found in safe working condition.

On 9th January 1931 all working parts of the engine have been examined throughout after opening and were found in good order.

The crank shaft of the engine has been tested by the Surveyors of Society, the certificate is attached hereto.

For identification the engine has been stamped:

LLOYDS

J.Q.

3989

G.1.31.

Jul. Quast

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

Lloyd's Register

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Foundation
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