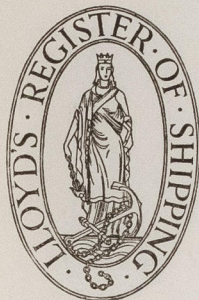


COPY

# LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER



Port SOUTHAMPTON.

3rd December, 1954.

D.7087.

This is to Certify that

H.C. ROGERS

the undersigned Surveyor to this Society did at the request of Messrs. Vosper Ltd, attend at their Works at Portchester on the 8th July, 1954, and subsequently, for the purpose of examining and testing one auxiliary B.W.C. 4 type Crossley Engine intended for the Trawler "BIRCH".

Particulars of the engine are as follows:-

Engine Number	128091
Type	43CSA
Number of Cylinders	4
Diameter of Cylinders	5"
Stroke	6.25"
Maximum Pressure	850 lbs./sq.in.
Mean Indicated Pressure	110 lbs./sq.in.
Brake Horse Power	67½
Revolutions per minute.	1200
Span of Bearings	12.25"
Diameter of Journals	3.47"
Diameter of Crankpins.	3.245"
Breadth of Webs	4.5"
Thickness of Webs	2.7/8 - 1.13/16".

The engine has been completely opened out, examined and overhauled and afterwards tried under working conditions direct coupled to Harland 28 K.W. Generator No. GX.1868/9 with satisfactory results.

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.

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."