

COPY

LLOYD'S REGISTER OF SHIPPING



Port MANCHESTER.

19048.

18th May, 1959.

This is to Certify that

J.W. COULTHARD

the undersigned Surveyor to this Society did at the request of
The National Gas & Oil Engine Co. Limited, Ashton-under-Lyne,
attend at their works for the purpose of examining and testing
Two M4A4 type heavy oil engines for driving English Electric 60 kW
generators, Nos. DG.60176, 68 and 69, for The English Electric Co. Ltd.,
O/No. 46890/70 for Ships Nos. 2002 and 2003 building at J. Samuel
Particulars of the engine are as follows:- White.

Engine Numbers.....	91095 and 91096.
Type	4 SCSA.
Number of Cylinders	4.
Diameter of Cylinders	6".
Stroke	8.1/2".
Maximum Pressure	1000 psi.
Mean Indicated Pressure	110 psi.
Brake Horse Power	110.
Revolutions per Minute	1000.
Span of Bearings	6.7/8".
Diameter of Journals	5.308".
Diameter of Crankpins	4.1/2".
Breadth of Webs	7.1/4".
Thickness of Webs	1.1/2".

These have

~~These~~ engines ~~have~~ been built under Special Survey, in
accordance with the Approved Plans and Rules of the Society,
materials and workmanship being good.

On completion, the above machinery was tried in the
shops under working conditions with satisfactory results, each coupled
to their respective generators.

For purposes of identification the cylinder block and
crankshaft were stamped thus:-

Cylinder Block.	Crankshafts.
LLOYD'S TEST	LLOYD'S TEST
60 lb./sq. in.	No. 4836 SHF. A.F.
21.10.58. J.W.C.	3224 MCH. R.J.Y.

Engineer Surveyor to
Lloyd's Register of Shipping.

Fee:— £ 28.15.0d. Exp:£2.0.0d.

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."