

# LLOYD'S REGISTER OF SHIPPING

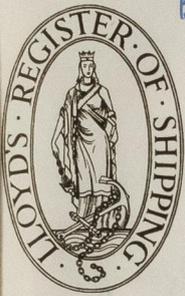
UNITED WITH THE BRITISH CORPORATION REGISTER

*Brooke Marine Ltd - yard No 243 M.V. Luskum*

*Attach to Special Report No 133835*

Port LEEDS.

3rd June, 1955.



For  
Class. "C"  
London  
Copy sent to

Manchester...

This is to Certify that

A.T. ROBERTSON,

the undersigned Surveyor to this Society did at the request of

Messrs. J. & H. McLaren Ltd., Leeds 10.

attend at their works for the purpose of examining and testing

One No. 2 Heavy Oil Auxiliary Engine supplied to Messrs. Hirstles, Bickerton & Day Ltd., Order No. B.5764/171/4606.

Particulars of the engine are as follows:-

Engine Number.....	21897.
Type .....	4 S.C.S.A.
Number of Cylinders .....	2.
Diameter of Cylinders.....	142 mm.
Stroke .....	200 mm.
Maximum Pressure.....	900 lbs/sq.in.
Mean Indicated Pressure.....	90 lbs/sq.in.
Brake Horse Power .....	44.
Revolutions per Minute .....	1000.
Span of Bearings.....	178 mm.
Diameter of Journals .....	85 mm.
Diameter of Crankpins.....	85 mm.
Breadth of Webs .....	130 mm.
Thickness of Webs .....	43 mm.

This engine has 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.

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

LLOYD'S TEST  
60 lb./sq. in.  
A.T.R. 2-3-55.

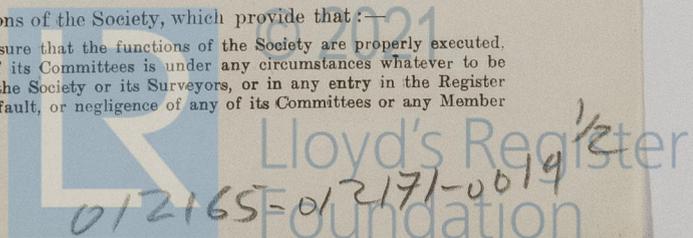
LLOYD'S TEST  
No. H. 809. Shf. H.H.  
30-12-54.  
A.T.R. Lds. 2-3-55.

Contd. on Page 2.

Fee:— £5. 0. 0.  
Exp: 8. 0.

*WJ*  
Engineer 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."



Further to the particulars already mentioned this unit drives a 18 K.W. Brush Electric Generator No. 09418/3 and Hamworthy Air Compressor No. 112950, which were found to function satisfactorily under test.

One Air Receiver No. 5/3120, capacity 3 cubic feet, has been built under survey and reported on Certificate No. C. 2339. This receiver goes with this engine.

The spare gear for this engine was also checked and found to comply with Rule Requirements.

*A. Robertson*

Surveyor to Lloyd's Register of Shipping.

This engine has now been installed and run on test under full load conditions coupled to an 18kw generator and auxiliary air compressor. The engine operated satisfactorily and was in good order.

*G. Galbat*  
Howestoft 29/7/56.



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Lloyd's Register  
Foundation

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