

LLOYD'S REGISTER OF SHIPPING



Port

MANCHESTER

575

30th November, 1961.

HULL F F REPORT NO 67706.

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 - L56 Type heavy oil engines intended for auxiliary purposes
each driving a 75 KW 400 v. AC Alternator supplied to the Order of
Mirrlees Bickerton & Day Ltd., Contract No. 0190/75 for R. Dunston
Ship Yard No.780.

Particulars of the engine are as follows:-

Engine Number.....	0347/55 & 0348/55
Type	4 S.O.S.A.
Number of Cylinders	6
Diameter of Cylinders.....	5.625"
Stroke.....	6"
Maximum Pressure.....	1000 lbs/in ²
Mean Indicated Pressure.....	118 lbs/in ²
Brake Horse Power	109
Revolutions per Minute	1500
Span of Bearings.....	6.375"
Diameter of Journals	4.25
Diameter of Crankpins.....	4
Breadth of Webs	5.75
Thickness of Webs	1.656

These have

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
3.10.61 lb. sq. in.
5.10.61

LLOYD'S TEST

No. AM.17/351 HKS 28.3.61 AUG
AM.17/337 HKS 28.3.61 AUG

The engines were tested with the alternators coupled as a combined test
particular attention was given to the Governing and voltage regulation and
maximum deviation was found to be within that
permitted i.e. $\pm 2\frac{1}{2}\%$

Fee:- £ 28. 15. 0d. Exp - £1. 15. 0d.

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
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."