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COPY

LLOYD'S REGISTER OF SHIPPING



No. 0-76849

Port KOBE

2nd March, 1962.

This is to Certify that

A. JACOBS & Y. KOJIMA

the undersigned Surveyors to this Society did at the request of

Messrs. Daihatsu Kogyo K.K., Osaka, Japan
on the 5th December, 1961 and subsequently
attend at their works for the purpose of examining and testing
One (1) Emergency Oil Generator Engine intended for Ship No. 3923 being built
by Hitachi Shipbuilding & Engineering Co., Ltd., Sakurajima Shipyard, Osaka.

Particulars of the engine are as follows:-

Engine Number	318409
Type	4 cycle single acting
Number of Cylinders	3
Diameter of Cylinders	180mm
Stroke	240mm
Maximum Pressure	60 kg/cm ²
Mean Indicated Pressure	6.47 kg/cm ²
Brake Horse Power	105 P.S.
Revolutions per Minute	1000 r.p.m.
Span of Bearings	203 mm
Diameter of Journals	145 mm
Diameter of Crankpins	125 mm
Breadth of Webs	198 mm
Thickness of Webs	51 mm
Crankcase explosion device	Total area of relief valve 1.29 x 10 ⁴ mm ² 0.21M ³

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:-

Cylinder block

Crankshaft

Shop Trial

LDG Rpt. No. _____
 Survey Fee: ¥23,000.-
 Expenses: 2,000.-

LLOYD'S TEST KOB
 W.T.P. 5 Kg/cm²
 AJ 6-12-61 LR

LLOYD'S TEST KOB
 No. MB-CK 758
 AJ 6-12-61 LR

LLOYD'S TEST KOB
 No. AE-522
 YK 16-2-62 LR

Total ¥25,000.-
 Applied for MAR - 6 1962
 Ordered to _____

Jacobs & Y. Kojima
 Engineer Surveyor to
 Lloyd's Register of Shipping
 A. Jacobs & Y. Kojima

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."

