

COPY

LLOYD'S REGISTER OF SHIPPING



No. 0-74469

Port KOBE

17th November, 1961.

This is to Certify that

S. HASHIGUCHI & Y. KOJIMA,

The undersigned Surveyors to this Society did at the request of Messrs. Kubota Iron & Machinery Works, Ltd., Diesel Plant, Sakai, Japan on the 18th July, 1961 and subsequently attend at their works for the purpose of examining and testing (1) Vertical type Emergency Diesel Engine designated 95 KVA Generator intended for Ship No. 145 being built by Mitsubishi Shipbuilding & Eng. Co., Ltd., Hiroshima Works, Hiroshima.

Particulars of the engine are as follows:-

Engine Number	5045	
Type	Single Acting 4 Cycle	✓
Number of Cylinders	5	✓
Diameter of Cylinders	170 mm	✓
Stroke	220 mm	✓
Maximum Pressure	60 kg/cm ²	✓
Mean Indicated Pressure	5.85 kg/cm ²	✓
Brake Horse Power	130	✓
Revolutions per Minute	1,000	✓
Span of Bearings	218 mm	✓
Diameter of Journals	125 mm	✓
Diameter of Crankpins	110 mm	✓
Breadth of Webs	155 mm	✓
Thickness of Webs	60 mm	✓
Crankcase Safety Fittings:	1 x 100 mm dia.	✓

KOBE Rpt. No. 224,400
Survey Fee: 3,000
Expenses: 27,400
Total: 27,400
Applied for: NOV 21 1961
Rendered to: NOV 21 1961

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	Crank Shaft
LLOYD'S TEST KOBE	LLOYD'S TEST KOBE
W.T.P. 4 KG/CM ²	No. MB-CK769
SH 18-7-61 LR	SH 29-7-61 LR

SHOP TRIAL
YK LR
16-11-61

27 NOV 1961

S. Hashiguchi & Y. Kojima
Engineer Surveyors 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 performed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Surveyors or any Member thereof, or the Surveyors, or other Officers or Agents of the Society.

FOR SHIMONOSEKI

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