

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

attend at their works for the purpose of examining and testing

the (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. _____
 Survey Fee: ¥24,400.-
 Expenses: 3,000.-
 Total: ¥27,400.-
 Applied for: NOV 21 1961
 Rendered to: _____

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 entry in 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

013322-013328-0184