

# COPY

## LLOYD'S REGISTER OF SHIPPING



No. 0-88225

Port KOBE

KCBS Rpt. No. \_\_\_\_\_

Survey Fee : ¥40,500.- 15th April, 1963.

Expenses : 2,800.-

Total ¥43,300.-

Applied for APR 19 1963

Rendered to \_\_\_\_\_

**This is to Certify that**

K. Yamazaki

the undersigned Surveyor to this Society did at the request of  
 Messrs. Yanmar Diesel Engine Co., Ltd., Kanzaki Works, Amagasaki  
 attend at their works/for the purpose of examining and testing  
on the 28th January, 1963 and subsequently  
 Two (2) Aux. Oil Engines, designated driving 70 KVA Generators intended for  
 Ship No.832 being built by Uruga Heavy Ind. Ltd., Uruga Shipbuilding Yard, Yokosuka.

Particulars of ~~the~~ <sup>each</sup> engine are as follows:-

Engine Number	<u>3F3241CY &amp; 3F3242CY</u>
Type	<u>Yanmar 3MSSL</u>
Number of Cylinders	<u>3</u>
Diameter of Cylinders	<u>200 mm</u>
Stroke	<u>250 mm</u>
Maximum Pressure	<u>60 kg/cm<sup>2</sup></u>
Mean Indicated Pressure	<u>5.59 kg/cm<sup>2</sup></u>
Brake Horse Power	<u>90 PS</u>
Revolutions per Minute	<u>750 r.p.m.</u>
Span of Bearings	<u>24.9 mm</u>
Diameter of Journals	<u>140 mm</u>
Diameter of Crankpins	<u>125 mm</u>
Breadth of Webs	<u>190 mm</u>
Thickness of Webs	<u>62 mm</u>

No. of total area of crankcase explosion relief: 3 x 4cm<sup>2</sup>(3x0.0527 ft<sup>2</sup>)

Each ~~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, and opened up <sup>each</sup> after trials and found to be in good order.

For purposes of identification ~~the~~ <sup>each</sup> the cylinder block and crankshaft were stamped thus:-

Crankshaft

CH No. Y.6650  
 LLOYD'S YKA  
 No. YL9922-1 & 2  
 FI KY 18-2-63 LR

LLOYD'S TEST  
 WFP 4, 6.7 & 93 kg  
 KY 18-2-63 LR  
 SH 23-2-63 LR

LLOYD'S TEST  
 No. SHOP TRIAL  
 KY LR  
 10-4-63

*K. Yamazaki*  
 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."

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