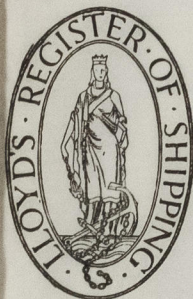


# COPY

## Lloyd's Register of Shipping.

(UNITED WITH THE BRITISH CORPORATION REGISTER)



No. M-65835

Port KOBE

8th September, 1960.

L. R. No. KT-F1522

This is to Certify that at the request of Messrs. Kobe Steel Works, Ltd., Takasago Plant, Takasago, Hyogo Pref., the Open ~~Hearth~~ Steel Forgings ~~or~~ Castings /and Bronze were examined and tested at their works on the 27th July, 1960 and subsequently and found to be so far as could be ascertained, sound and free from defects.

One (1) Tailshaft with sleeve in finished condition, except taper part. Dia. of shaft 477mm and 475mm, Dia. of flange 750mm, Dia. of flange neck 445mm, length of shaft 6,180mm, outside dia. of sleeve 527mm and 525mm, thickness of sleeve 25mm, length of sleeve 4,090mm, weight 8,060 kgs and 1,106 kgs.

The test results are as follows:

Test Mark	Tensacity		Elongation % in 2" 50mm	Reduction of Area %	Bend 120° 180°	Remarks
	T/in <sup>2</sup> YIELD.	Kg/mm <sup>2</sup> ULT.				
TA8052-1(T)	30.9	48.7	35	61	Good	For shaft
(B)	27.9	46.5	35	60	"	Forging ratio, 2.0-9.7
TR1	-	36.7	70	-	-	For sleeve
N.B.: The sleeve was tested hydraulically to 1.k kg/cm <sup>2</sup> and found satisfactory.						

This tailshaft with sleeve is intended for Ship No.144 being built by Mitsubishi Shipbuilding & Eng., Co., Ltd., Hiroshima Works, Hiroshima and has been stamped as follows:

TA8052-1

TR1

LLOYD'S KOB  
No. KT-F1522 ✓  
EI LR  
1 - 9 - 60

On shaft

LLOYD'S TEST KOB  
W. T. P. 1.1 kgs  
EI LR  
20 - 8 - 60

On sleeve

*E. Itami*

Surveyor to Lloyd's Register.  
E. Itami

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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FOR SHIMONOSEKI

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