

COPY

Lloyd's Register of Shipping.

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No. M-65088

Port KOBE

23rd July, 1960

L. R. No. KT-F1509

This is to Certify that at the request

of Messrs. Kobe Steel Works, Ltd., Takasago Plant, Takasago, Hyogo Pref., & Bronze
the Open-Hearth Steel Forgings or Castings named below were examined
Electric furnace and tested at their works on the 12th May, 1960
and subsequently and found to be so far as could be ascertained, sound
and free from defects.

One (1) Tail shaft with sleeve in finished condition, except taper
part; dia. of shaft 477mm., 475mm., dia. of flange 750mm., dia. of
flange neck 440mm., length of shaft 6180mm., out dia. of sleeve 527mm.,
525mm., thickness of sleeve 25mm., length of sleeve 4090mm.,
weight 8,060 kgs. x 1,406 kgs.

The test results are as follows:

Test Mark	Tenacity		Elongation % in 50mm	Reduction of Area %	Bend 120° X 180°	Remarks
	F _y /in ² YIELD.	Kg/mm ² ULT.				
TA7768-1(T)	24.7	47.8	36	54	Good	for shaft
(B)	25.0	46.1	36	59	"	Forging Ratio, 2.0-7.8
K-240	-	37.0	53	-	-	for sleeve
N.B.: - The sleeve was tested hydraulically to 1.1 kb/cm ² and found satisfactory.						

This tail shaft with sleeve is intended for Ship No. 144 being built by

Mitsubishi Shipbuilding & Engineering Co., Ltd., Hiroshima Works, Hiroshima and has been stamped as follows:

TA7768-1

K-240

LLOYD'S KOB
NO. KT-F1509
EI LR
19-7-60

LLOYD'S TEST KOB
W. T. P. 1.1 KG
EI LR
5 - 7 - 60

On shaft

On sleeve

E. Itami

Surveyor to Lloyd's Register.
E. Itami

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