


Certificate of Material.

(COPY)

Kobe No.555

March 3rd, 1940

at rk	D7460A1	Date of Survey	3rd February, 1940
st	Kobe	Kind & Number of Material	Forging (As finished) Crank shaft One piece
ers	Kobe Steel Works, Ltd.	<p>This is to certify that upon taking the material test & inspection the following material has passed the Rule of Marine Engine.</p> <p>Teikoku Kaigi Kyokai. </p>	
ufact- ers	Ditto		
poses	For "FUKKO MARU" of RIKUGUN UNYUBU		
ting hine	A No.113		

arge b.	Test Mark	Descriptions	Number	Weight Kgs.	Tenac- ity. Kgs/mm ²	Elong- ation %	Forging Ratio
		<u>Forged Steel</u>					
7460A1		Solid, 2-throws, crank shaft	1	2,689	x 51 Y 51 Z 49	28) 30) 32	Pin & Journal Web 0.086 0.34 Flange 0.26
		Bend test found satisfactory.					
		Rough turn & machine finish inspections were carried out and found satisfactory.					
		Particulars:-					
		Diar. of crank pin & shaft.....290 m.m.					
		Size of crank web 160 m.m.,...407 m.m., 703 m.m.					
		Distance between cran webs260 m.m.					
		Diar. & thickness of coupling flange525 m.m., 70 m.m.					
		Length over all2755 m.m.					

..... The End



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