

Lloyd's Register of Shipping.

*SHIP OR ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings, ~~castings~~, as herein described, manufactured by Mitsubishi Steel Mfg.Co., Ltd. of Nagasaki for the Engines No. - being constructed by - of - for the Ship No. 144 being built by Mitsubishi Zosen K.K. of Hiroshima have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to the above Shipyard.

ITEM Two (2) 3rd & 5th Intermediate Shafts

Identification No.	Nag.	3219	3221
Surveyor's Initials.		A. I.	A. I.
Materials.	(Heat No. Test Mark)	F.S. NSW.60570 HL-13	F.S. NSW.60564 HL-11
How made.		Electric furnace	
Heat treated.		Yes	
Dimensions.	Dia of Shaft	Dia of flange	Total length
	425mm-426mm	761mm-762mm	7,362mm, 7,366mm
Weight.	8,620 x 2 as rough turned		
Progress on Insp.	(T)	(B)	Rough turned condition (T) (B)
Yield. T per sq. in.	15.8	15.8	15.8 15.6
Ult. T. per sq. in.	30.0	29.6	30.0 29.6
Elong. % on 2 in.	37.0	36.0	36.0 37.0
Reduc. of Area %	59.7	59.7	57.2 58.8
Gold Bend. 180°	good	good	good good
Brinell.	134	137	128 131
Izod.	-	-	- -
Final date.	Both 5-8-60		

Date of approval of chemical analysis, physical properties and heat treatment in the case of special steels for reduction gearing forgings.

Other tests:

NSW.60570	NSW.60564
HL-13	HL-11
LLOYD'S NAG	LLOYD'S NAG
NO.3219	No.3221
AIR 5-8-60	AIR 5-8-60

Fee:

Expenses

Signature

K. Okada for A. Imajumi
Date 23.8.1960

*Delete where not applicable.

Examined finished machined	
Port <i>Shimonoseki</i>	
Date <i>19-10-60</i> and marked <i>24-10-60</i>	
for identification	
LLOYD'S SMK	LLOYD'S SMK
NAG NO. 3219	NAG NO. 3221
K.O.R.	K.O.R.
<i>24-10-60</i>	<i>19-10-60</i>

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