

PORT

KIEL

10 APR 1953

No. 5024

# LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

## \*SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings ~~xxx Castings~~ as herein described, manufactured by Messrs. Georgsmarienhütte of Osnabrück and forged and machined by Messrs. Howaldtswerke Kiel of

for the Engines No.

being constructed by

for the Ship No. "RINGFJELL" being built by

of

These 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 dispatched to~~ One of these has been placed or fitted on board.

ITEM	2 thrust shafts	
Identification No.	LLOYD'S 414 J.L. 30.9.52	
Surveyor's Initials.	J.L.	
Materials.	S.M. steel	
How made.	Forged	
Heat treated.	Yes	
Dimensions.	392/314.6/290 mm dia.	
Weight.	2000 kg	
Progress on Insp.	through all stages	
Yield kg per sqmm	30.0	31.0
Ult. kg per sqmm	50.3	50.3
Elong. % on 100 mm	27	27
Reduc. of Area %	47.4	48.2
Cold Bend.	180° without fracture	
Brinell.	--	
Izod.	--	
Final date.	19.3.53	

These thrust shafts have been examined during forging, machining and in finish-machined condition. The material and workmanship used are good. Marks on shafts: LLOYD'S 414/1+2, J.L. 30.9.52, ES. 19.3.53 ES.

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

Other tests: --

Fee:

Signature



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Lloyd's Register Foundation

Expenses:

Date 2.4.1953

\*Delete where not applicable.