

PORT Hannover, Georgstr. 40

RADIANT

No. HNO.F. 62/ 11

LLOYD'S REGISTER OF SHIPPING

No. 181/715 221 A 4  
No. 061/158

SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the ~~Forgings~~ Castings, as herein described, manufactured by Messrs. Osnabrücker Kupfer- und Drahtwerk of Osnabrück for the Engines No. being constructed by Messrs. De Rotterdamsche Droogdok Mij. N.V., of Rotterdam for the Ship No. being built by

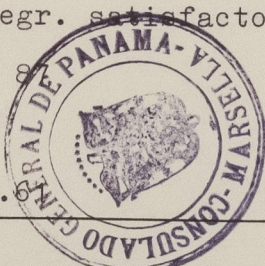
of have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to Rotterdam / Holland.

ITEM	1 hollow strand cast bronze tail shaft liner
Identification No.	LLOYD'S HNO 82 FK 21.12.61 FK
Surveyor's Initials.	FK
Materials.	bronze
How made.	hollow strand cast
Heat treated.	no
Dimensions.	616/603.2/619.1 mm outs.dia. 552.6/554.8 mm ins.dia.
Weight.	5314 mm long 2714 kg
Progress on Insp.	rough turned on outside finished on inside
Yield kg per sq.mm	16.7 18.3
Ult. kg per sq.mm	34.8 34.4
Elong. % on 4 V-A	40.0 38.0
Reduc. of Area %	--
Cold Bend.	180 degr. satisfactory
Brinell. HB =	87
Izod.	--
Final date.	21.12.61

VISADO EN ESTE CONSULADO GENERAL DE LA REPUBLICA DE PANAMA

MARSELLA hoy 8 de ABRIL 1963

ERNESTO BELLINO  
Consul General de Panama



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

Other tests: Hydr. test at 2 kg/cm<sup>2</sup> satisfactory.

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Fee:

Signature

Expenses:

F. Kreuzer Date

\*Delete where not applicable.

11.1.1962