

LLOYD'S REGISTER OF SHIPPING

3800/245 *SHIP OR ENGINE FORGINGS OR CASTINGS 156 513 - 16

I have to report that the Forgings or Castings, as herein described, manufactured
 by Messrs. Boschgotthardshütte of Weidenau/Sieg
 O. Breyer GmbH
 for the Engines No. - being constructed by Messrs. Klöckner-
 Köln-Deutz for the Ship No. XXXXX Humboldt-Deutz A.G.
 of being built by

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 Köln-Deutz.

ITEM	One - 6-throw solid forged crankshaft
Identification No.	LLOYD'S KLN. 613 H.L. 6.10.61
Surveyor's Initials.	H.L.
Materials.	Carbon steel
How made.	forged
Heat treated.	yes
Dimensions.	according to drawing No. 267 471 Z amendm.4
Weight.	910 kg inspected in finished condition and found satisfactory.
Progress on Insp.	partly finished
Yield kg per sq. mm	36.4
Ult. kg per sq. mm	69.6
Elong. % on 5 x d	19.7
Reduc. of Area %	38.3
Cold Bend.	180 degr. satisfactory
DIN Imp. Test XXXXX mkg/cm2	4.6 4.3
Brimell.	-
Izod.	-
Final date.	6.10.61



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

Makers' declared analysis:

Charge No.	C%	Si%	Mn%	P%	S%
4017	0.46	0.28	0.65	0.026	0.013

Fee :

Signature

Expenses :

*Delete where not applicable.



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Lloyd's Register
H. Lübke

Date 19.1.62

Surveyor to Lloyd's Register of Shipping (TURN UP)

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