

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  
for the Engines No. O. Breyer GmbH  
of Köln-Deutz being constructed by Messrs. Klöckner-Humboldt-Deutz A.G.  
for the Ship No. XXXXX 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 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
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
Dyn Imp. Test XXXXX mkg/cm2	4.6 4.3
Brinell.	-
Izod.	-
Final date.	6.10.61

inspected in finished condition and found satisfactory.



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

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

Fee :

Expenses :

Signature

Date

\*Delete where not applicable.