

LLOYD'S REGISTER OF SHIPPING

~~SHIP OR~~ ENGINE FORGINGS ~~OR CASTINGS~~

No. 45 132  
No. VE 13/DA 15613-18 dd. 21.7.60

I have to report that the Forgings ~~or Castings~~ as herein described, manufactured  
by Messrs. Stahlwerk Carl Kleuser of Remscheid-Haddenbach

for the Engines No. being constructed by Messrs. Klöckner-Humboldt-  
Deutz AG  
of Köln-Deutz 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 Köln-Deutz.

Type V6M 536

ITEM One solid forged 6-throw crankshaft

Identification No. LLOYD'S DSF H.S. 49 Date

Surveyor's Initials. H.S.

Materials. SM Steel CK 45

How made. forged

Heat treated. yes

Dimensions. acc. to drawing No. 267 471 Z

Weight. 950 kg inspected in finished  
Progress on Insp. rough machined condition and found  
satisfactory.

Yield kg per sq. mm 36.7

Ult. kg per sq. mm 65.4

Elong. % on 3.5 xd 27.9  
5 xd 25.7

Reduc. of Area % 45.0

Cold Bend. 180 degr. good

Brinell. -

Izod. -

Final date. 19.7.61



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

Other tests: Chemical analysis as stated by the manufacturer:  
Charge C Si Mn P S %  
144 401 0.45 0.28 0.66 0.016 0.024

The crankshaft has been fluxed.

Fee:

Expenses:

Signature (Dr. H. Stiller) Date 15.3.62  
\*Delete where not applicable.

Surveyor to Lloyd's Register of Shipping