

PORT Helsingfors

21 X 1959

No. 7285

LLOYD'S REGISTER OF SHIPPING

SPECIAL ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings ~~as castings~~ as herein described, manufactured by Messrs. Lokomo Oy of Tampere (Ref.No.44896)

~~Special Engine or Castings~~~~being castings~~

of for the Ship No. 203 being built by Messrs.Valmet Oy, Helsingin Telakka of Helsinki

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 Messrs. Valmet Oy, Helsingin Telakka, Helsinki (Order No. 82041 E, 7.1.59).

ITEM	2 SCREW SHAFTS 2 INTERMEDIATE SHAFTS	Qty: St.50.11.
Identification No.	LR 23559, 23563, 23535, 23540	15.10.59.
Surveyor's Initials.	B.S.	
Materials.	Electro steel	
How made.	forged	
Heat treated.	yes	
Dimensions.	According drawings Nos.1.200.130.1/1, 1.200.170.2/1.200.170.2/2.	
Weight.	5200kg+5200kg+3900kg+2950kg=17250 kgs.	
Progress on Insp.	roughly machined	
Yield kg per sq.mm:	33,4-34,4-38,5-35,7-34,7-36,3-35,7	
Ult. kg per sq.mm:	53,8-51,6-56,0-50,6-51,6-50,0-53,5	
Elong. % on 100mm gauge length(d=20,0mm):	28,5-30,5-30,0-32,5-31,0-33,0-31,0%	
Reduc. of Area %.	53,1-57,1-55,8-60,3-61,0-61,0-58,4%	
Cold Bend.	180° satisfactory	
Brinell.	152-149-156-146-149-143-152	
Izod.	-	
Final date.	15.10.59.	

These shafts have been examined in finished condition and found satisfactory.

004394-004404-0072

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

Other tests: -

Fee:

Expenses:

Signature

SURVEYOR
TO
LLOYD'S REGISTER
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*Delete when not applicable

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Foundation

Date 19.10.1959