Abridged version

KAWASAKI STEEL TECHNICAL REPORT No.1 (September 1980)

Slab Width Change during Continuous Casting

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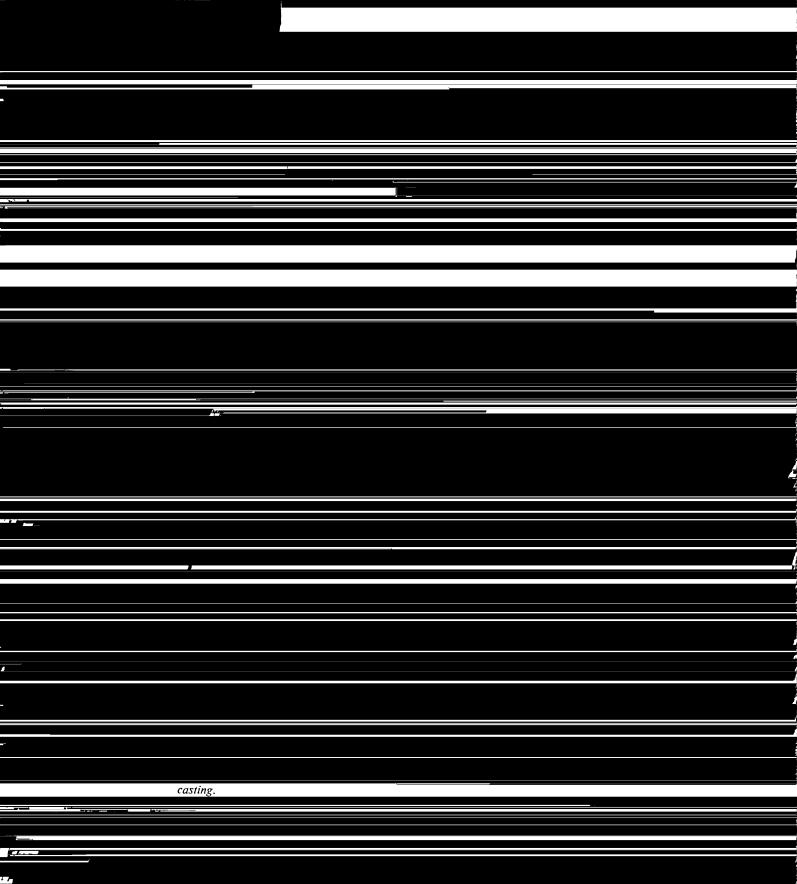
Synopsis:

Two different techniques were developed for changing slab width during continuous casting. In one way, casting is continued wit hout decreasing its speed. In this case, some vertical edges a rolling process are needed for correcting tapered portion of casting slab. In the other way, casting is paused, and step -like part connecting two slabs should be scrapped. These slab width changing techniques will promise: (1) Productivity gain: 30-50% (2) Refractories curtailment: 30-50% (3) Yield improvement: 0.5% (only by the farmer way) (4) Energy saving: 30-50%

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The body can be viewed from the next page.

<u> Slah Width Change during Continuous Casting*</u>



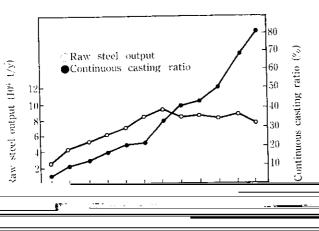
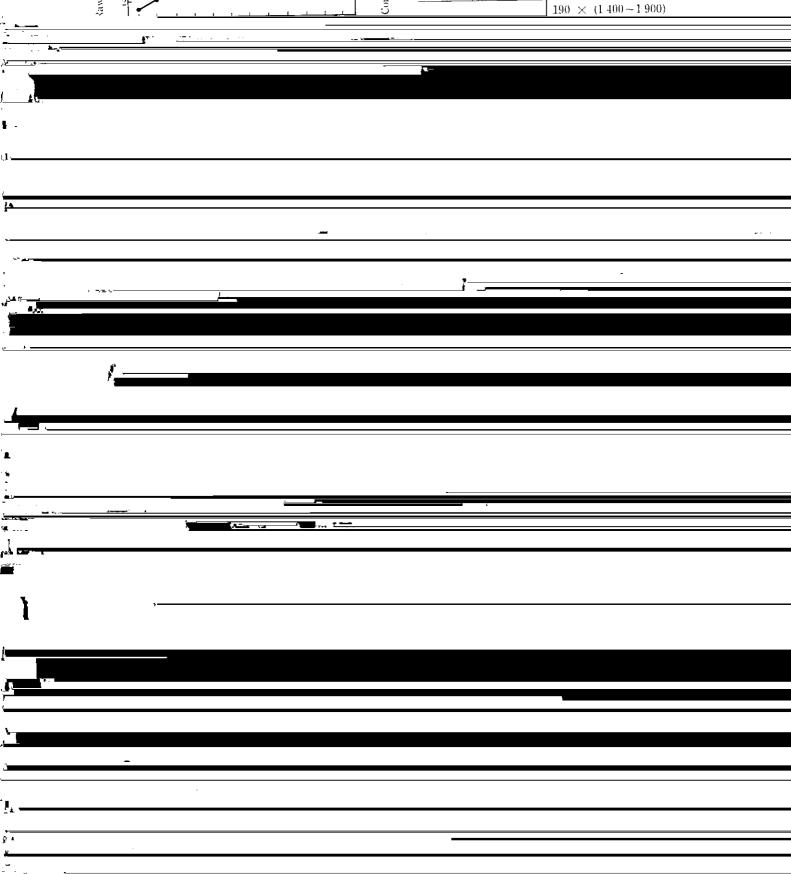


Table 1 Main specification of No.5 CCM at Mizushima Works

-	Specification
Ladle capacity	275t (270t LD×2/3)
Type of CCM	2 strands curved type slab machine
Steel grades	C-steels and low alloy steels
	190 × (1 400~1 900)



(3) Slab width change can be performed without yield (2) Narrowing slab width in high speed casting gives loss. no problems to operation. Not only that, it tends to reduce the force; and 3.2 Method U engineers that any attempt to move narrow faces of

mechanism, opening units for wide face and electrical width became clear. control units. Also, major equipment used in this Shown in Photo. 2 is a piece of cast slab to which the new technique was applied. Table 2 lists operational technique include the following: conditions under which that slab's width was changed. (1) Special support system for the narrow face which

