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Hot Metal Dephosphorization Treatment in Torpedo Car

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Synopsis:

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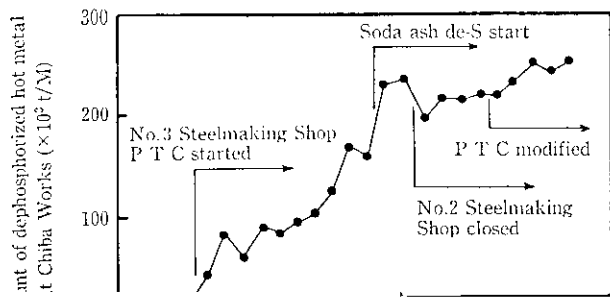
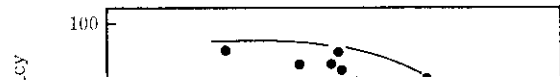
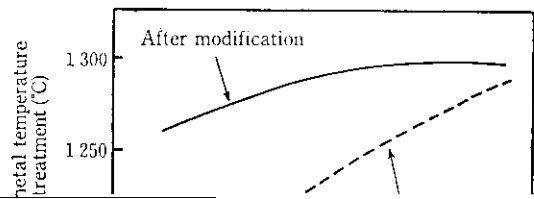
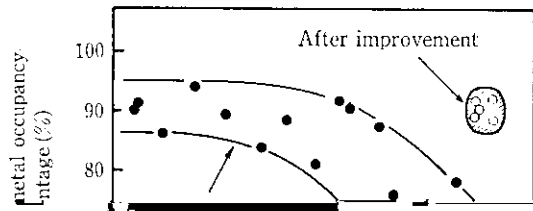


Table 2 Typical composition of dephosphorization agent (%)

Sinter dust	Mill scale	Lime	Spar
38	35	25	2





Percentage of hot metal pretreatment (%)

Fig. 5 Influence of hot metal pretreatment ratio on hot metal occupancy percentage in treatment

[P] after treatment (%)

Fig. 7 Comparison of hot metal temperature after treatment between before and after modification

Table 3 Experimental conditions

Heat size	200~250 t/torpedo
Top lance	
Lance type	Non cooled
Nozzle diameter	20 or 30 mm
Height	0.4~1.2 m
Oxygen flow rate	0~15 Nm ³ /min

ther, in order to investigate the effect of the oxygen blowing conditions on the post-combustion behaviour,

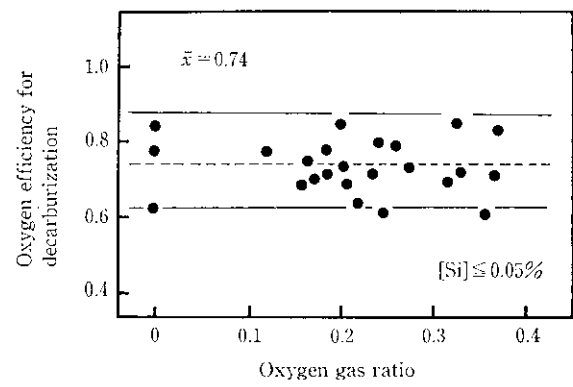


Fig. 9. Oxygen gas ratio

Fig. 10. Oxygen gas ratio

