

hot metal down to low sulfur concentration<sup>3,4)</sup>, and can be a cheap desulfurizing reagent; but because of its slow reaction rate. lime. hitherto, was never used

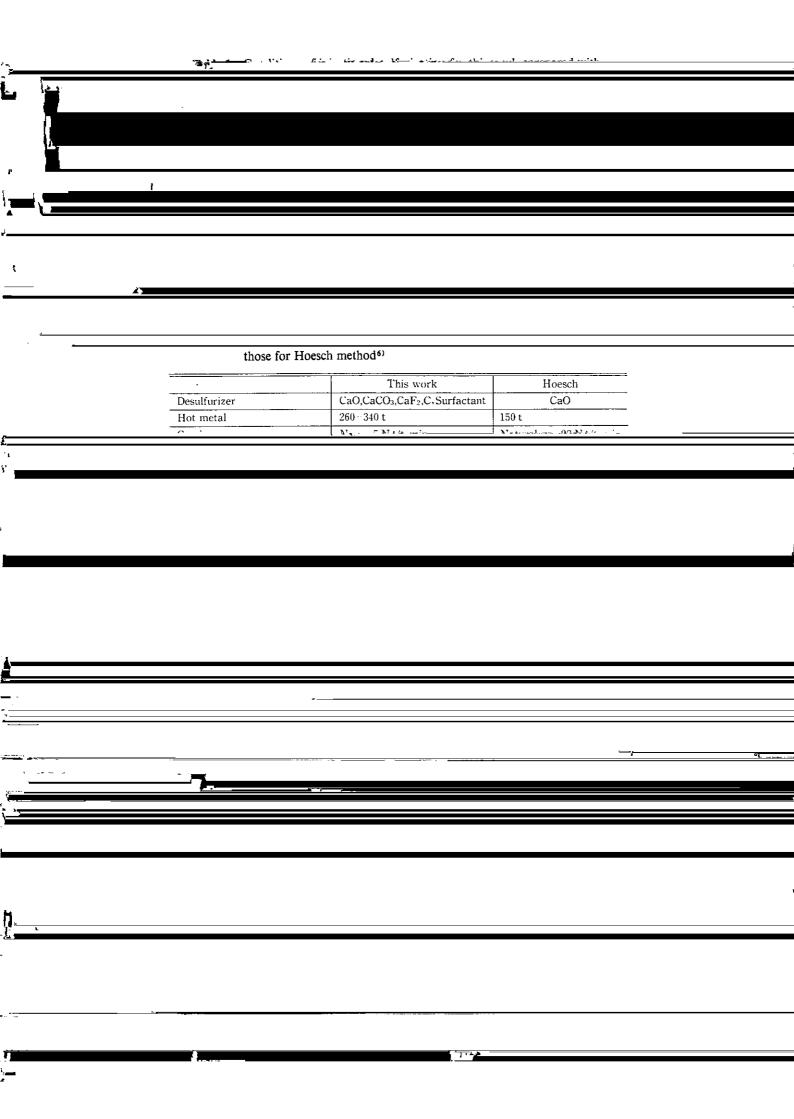
is a typical surface active agent. For the addition of MHPS, there is an optimum value, and if it is exceeded, the angle of repose will increase.

widely as a desulfurizing reagent on an industrial scale. Particularly in the top injection desulfurization, reagents mainly comprising quick-reacting carbide

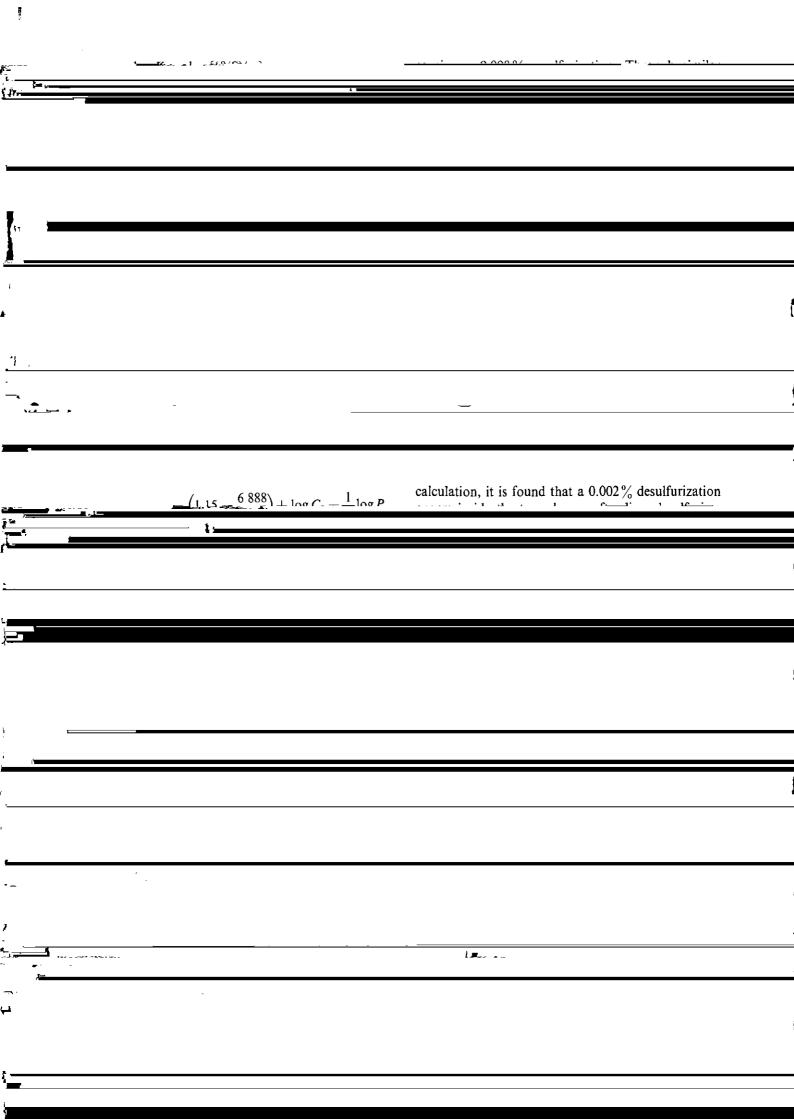
Desulfurizing reaction by lime is said to progress at the diffusion-controlled rate in the solid phase<sup>5)</sup>, and therefore the sulfurizing reaction of lime powder

were frequently used. The present studies were aimed at developing a low-cost injection desulfurizing reagent by accelerating the reaction rate of lime. This objective was successfully accomplished within about two years,

will be accelerated if addtive X is added to lime powder to form low melting portions on the surface layer of lime<sup>3)</sup>. To select the ingredient X which would be the most suitable for this purpose, a desulfurization test







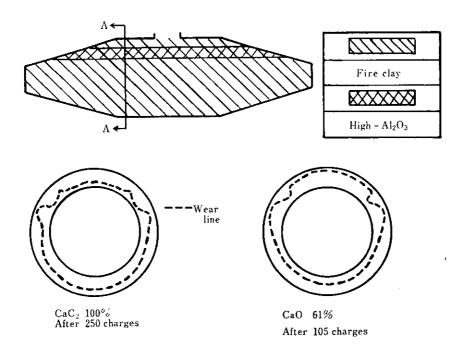
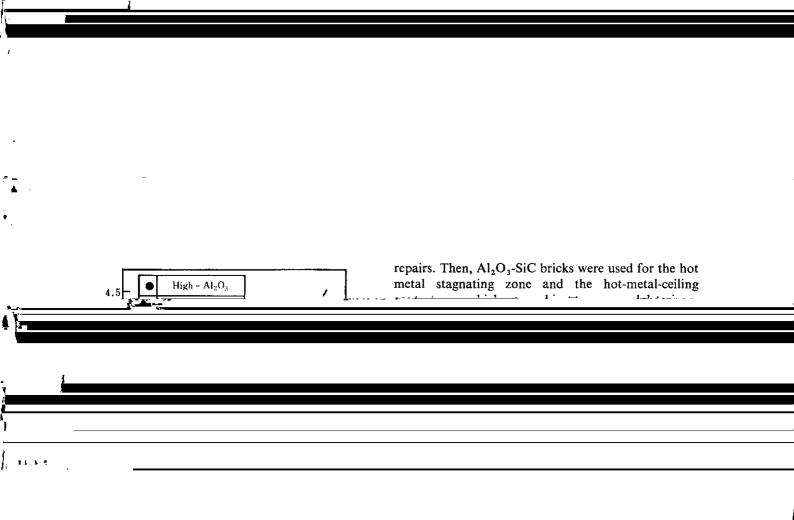
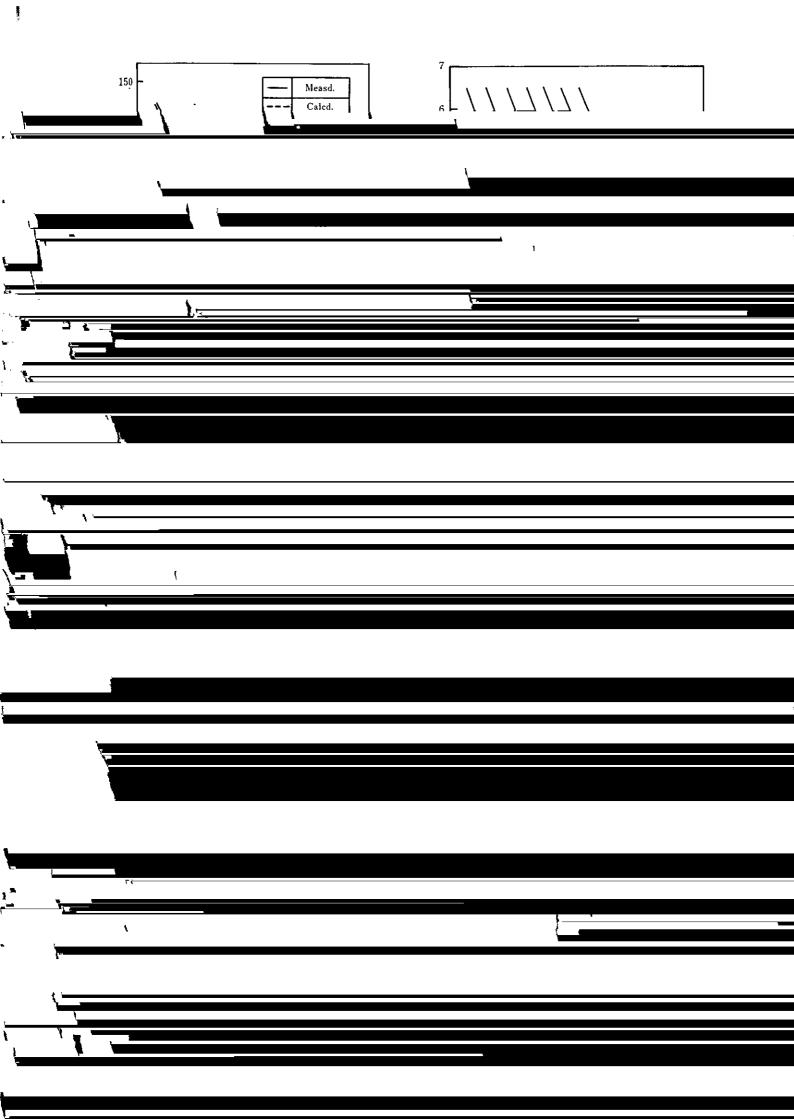


Fig. 9 Wear line contour of lining of a torpedo car used for lime (61%) and carbide (39%) desulfurizations





· ——	Managhing Assault 16 · · · · · · · · · · · · · · · · · ·	£	· · · · · <u> </u>
-			
Park Comment			
<u>.</u>			
1			
ī <sub>p</sub> <b>L</b>			
μ <del>=</del>			
,	ł		
	<u> </u>		
}			
<b>4</b> 1√			
•			
	•		
. <del>-</del>			
· 	• • • • • • • • • • • • • • • • • • •		
. <i>(</i> 1	desulfurizing from $[\%S] = 0.045$ to $[\%S] = 0.015$	Through this conversion, it	was possible to cut the
·	·		
- - -	•		
•			
£			
1			
•,			
7.			