

cc: J. I. Hayden
H. W. Gosselink

cc: W. J. SHEENAN -

MAY 15, 1968

PLEASE NOTE THE CONCLUSION OF
THIS REPORT -

May 10, 1968

DONT

To: V. J. Labrecque

From: J. A. Ulrich

SUBJECT: VICTOCOR 300

re: Air Gaps

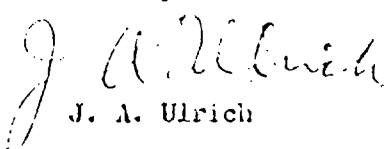
In accordance with your request of March 16, 1968, and our various discussions, we have obtained some samples of .060"/.065" Victocor 300 from Mr. H. W. Gosselink, having varying amounts of "air gaps" between the facing and core, as determined at various points on the sheets by measuring facing gauge and over-all gauge after combining. Then points were selected having particular amounts of gap or compression, and tested comparatively for relaxation, seal, and load-deflections. The six points tested, in order from most compressed to least compressed, are as follows:

Approximately .0015" compression	-	Sample B
No compression and no gap	-	Sample A
Approximately .0005" gap	-	Sample E
Approximately .0015" gap	-	Sample C
Approximately .0025" gap	-	Sample D
Approximately .0030" gap	-	Sample F

The data appear on the attached sheet. Also attached are load-deflection graphs.

It was found that all differences between samples were very minor, and can be attributed to normal experimental variation. It is concluded that the presence or absence of air gaps makes no significant difference in the physical properties tested.

Materials Development Laboratory


J. A. Ulrich

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