

INTER OFFICE MEMO



TO R. A. Chartier ✓ AT Assonet DATE April 3, 1974

FROM F. R. Klebacher AT Assonet COPY TO L. A. Baker
R. H. Carte
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SUBJECT DETERMINATION OF RESIN RESIDUAL MONOMER
DISSIPATION TIME - PRELIMINARY

A method has been developed which measures the total residual monomer in Trulon resin. This method has been used since January 1972 for the study of monomer in high bulk density resin. At that time, an initial study was made on the time required for this monomer to dissipate from a single sample left standing in a paper bag. The results are shown on the attached graph.

In general, the sample started at 840 ppm and in 22 days had gone to below detectability.

As a result of the current concern over any source of residual vinyl chloride monomer, this initial work is to be expanded as to levels of VCM in current resin production.

The results of the initial studies in this series are also shown on the attached graphs.

Generally speaking, it was found that:

1. VCM residual levels detectable are much lower. This could arise from several reasons:
 - a. Improved drying from recent dryer modifications and therefore lower total volatiles.
 - b. A different type of resin.
 - c. Some change in instrument detection limit and/or loss of VCM during sampling.
2. 520 resin shows a higher VCM level than 510.
3. These preliminary results show inconsistencies with 510 dissipating more quickly.

OLI 6173

It is apparent the study should and will continue. At present, we are
(1) tightening up the sample taking to reduce the possible loss of VCM,
(2) taking more resin samples to improve the statistics. Results will
be issued.

:jaa

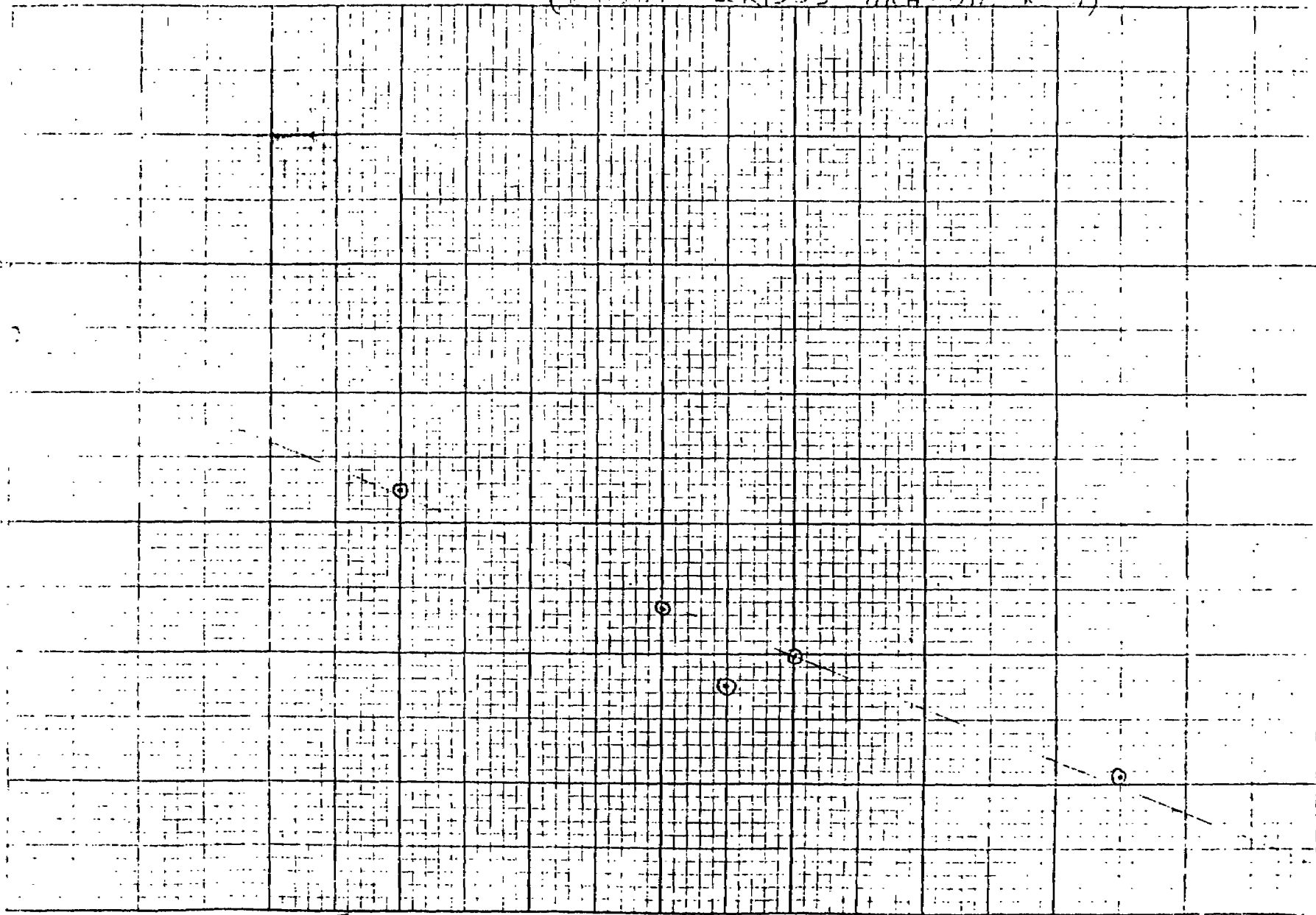
F. R. Klebacher
F. R. Klebacher

WHY FILE THIS COPY? IF YOU MUST RETAIN IT SPECIFY A DEFINITE RETENTION PERIOD: ONE YEAR _____

OTHER _____

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 AIR FORCE

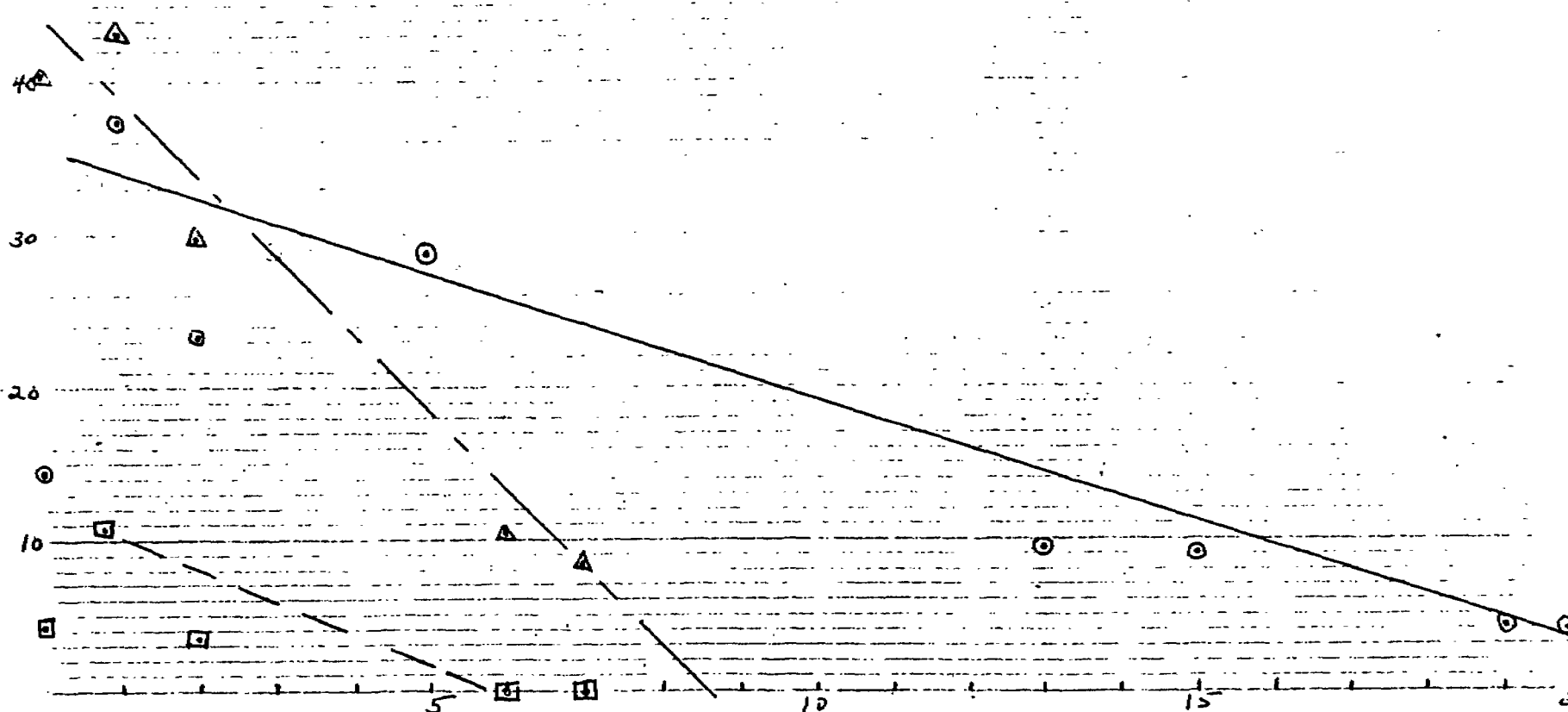
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 VS OPEN AIR STARTING TIME
 (1-8281 - 2-8055 HIGH ON R-1)



OLI 6174

OLI 6175

VCM DETECTED, PPM



TIME TO DISSIPATION, DAYS
0 TIME = MANUFACTURE DAY

Opening Reactors

1. Try steam jetter on blow off stack
2. Try vacuum jet. ~~man~~
3. Use elephant trunk with man hole cover use two men.



After recovery

1. Open Blow Off.
- ~~2. Open~~
2. Remove all bolts except four
3. Then break vacuum valves. (be sure you are not evacuating another kettle)
4. Remove remaining bolts and open lid and insert elephant.

1350 B=70-80 at B-1
100-200 rph
at opening
dropped to 60-70
as hose was put in