

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington
RUPONPETERS
RUPON

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

XC: A. R. Baszczuk ✓
 T. L. Capeletti ✓
 C. F. Ciecko ✓
 W. W. Cook ✓
 G. E. Fletcher ✓
 W. R. Globig ✓
 J. A. Harter ✓
 P. G. Johnson ✓
 T. J. McCormack ✓
 R. L. Stafford ✓
 C. B. Workman ✓
 File

May 1, 1981

7^{PM} 5/26

J. P. LINDE

CENTERFIRE GFM HAMMER MARKS

A meeting was held to review this continuing problem. This meeting was a follow up on the Research report on M/700 Classic 7 x 57, in which 3 out of 8 guns were rejected for hammer marks. The initial discussion was on "What is a Hammer Mark?"

FOLLOW UP ACTION

Diameter

- 80 being used
 - 90 available

1. Harder backer wheel to be tried on centerless polish.

Try on known marks -
 Harder wheel & regular wheel

T. J. McCormack
 C. Ciecko

2. Determine if residual stress patterns can be measured. "FAS-TRESS" measurement process to be investigated. T. Capeletti has information on this process from previous work assignments.

T. L. Capeletti

3. Are "Hammer Marks" related to an etching effect from the Black Oxide color process.

P. G. Johnson
 C. F. Ciecko
 T. L. Capeletti

R. Th

4. Send sample to Dupont -
 ETL - Wilmington for analysis.
 Check chemistry & mechanical
 & metal properties.

Johnson
 T. Capeletti

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CENTERFIRE GFM HAMMER MARKS (Cont.)

4. A trial lot of several Barrels to be ground on Breech End to see if this will remove "Hammer Marks" in comparison to belt polishing.

tried - sand on belt to Dupont.

C. F. Ciecko
A. R. Baszczuk

5. A Chemical Engineer, Karen Lundquist, from ESD to be contacted to see if she can give any assistance.

T. L. Capeletti

6. Additional meeting to be scheduled by writer.

by

G. J. Hill 5/4/81

G. J. Hill, Supervisor
Process Engineering
Current Products

GJH/cac

- check oil used on CFG FM - *Andy
Kish
Chet*

- ck feed rates - 8-9-10" IPM