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chem file
J. P. Linde
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Lab File

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
November 3, 1977

TO: C. B. WORKMAN
FROM: A. A. HGUCIK
DATE: OCTOBER 26, 1977
SUBJECT: XP-100 PILOT - SAFETY DESIGN CHANGES
WORK ORDER: C 1804

INTRODUCTION:

Six (6) XP-100 221 fireball caliber bolt action single shot pistols were selected from a production sample of 34 guns for Research Pilot Test. The safety design changes introduced into the pistol are a Deltrin safety button and safety per attached part drawing. This change allows the bolt to be opened with safety in the safe position. The bolt plug of this sample is the original short design.

TEST OBJECTIVE:

- 1) Conduct XP-100 Pistol Pilot Test.

TEST OBSERVATIONS - CONCLUSIONS:

- 1) The stocks required additional safety arm clearance prior to assembly of the stock and pistol.
- 2) Safety design changes did not effect the pistol function except for being able to open the bolt with safety in the safe position.
- 3) Drop test and jar-off test results compare with 1966 Powder Metal sear evaluation results.

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RECOMMENDATION:

Safety design changes to be considered acceptable product.

FUTURE WORK PENDING:

- 1) Complete striker impact test when longer bolt plugs become available in production.

AAHugick:bd
Measurement / Test Lab
Ilion Research Div.
Attached