

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
February 25, 1976

TO: W. R. GOOGIN
FROM: D. McCLURE
SUBJECT: M/700 PILOT LINE TEST
Test Period: Feb. 10 thru Feb. 18, 1976
Work Order: G 0460

INTRODUCTION:

On February 10, 1976, eight (8) M/700 Varmint rifles, caliber 308, were selected from a sample of (41) rifles.

OBJECTIVE:

To conduct a pilot line test program consisting of appearance, measurements, accuracy and function.

RECOMMENDATIONS:

This product to be considered acceptable for warehouse, subject to trigger pull correction or review.

OBSERVATIONS:

A. Appearance

- 1) Checkering is good overall, three guns have some small tool markings in the outer edges of the border.
- 2) Wood to steel margins, good fit with the exception of the trigger guard area on four guns, where some unevenness was detected.
- 3) Stock finish, Imperfections such as dimpling and small scratches were detected on six of the eight gun stocks.

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OBSERVATIONS: - (Cont'd)

A. Appearance - (Cont'd)

- 4) Grip cap, fore-end tip, butt plate, marring was detected on several, poor spacer fitting on two, poor color on one fore-end tip and several spacers were discolored.
- 5) Steel color, color quality appears to be very good on all guns. Two guns have some small scratches in the receiver area and two have some mars on the barrel.
- 6) Barrel to receiver fit, very good on all guns.
- 7) Roll markings and stamps, good with the exception of misaligned serial numbers on four guns.

B. Measurements

- 1) Trigger pull weight is above Remington standards on all guns. (Data Sheet)
- 2) Stock pitch on all guns was approximately three fourths of an inch greater than Remington standards. (Measured to center line of the bore.)

C. Accuracy

- 1) All rifles met Remington standards when the Remington 7.62 match ammunition was used.
- 2) Four other types of ammunition were tested for accuracy. Only the Winchester 110 Gr. S.P. would meet Remington standards of 1.5" center to center. (Data Sheet)

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OBSERVATIONS: - (Cont'd)

D. Function

- 1) Four rifles were tested for:
 - a. Safety function (on-safe, off-fires).
 - b. Proper magazine capacity. (4 rounds)
 - c. Bolt closes over full magazine.
 - d. Extraction and ejection of live round.
 - e. Extraction and ejection of fired cases.
 - f. Loading from magazine.
 - g. Ejection with Lyman (8) power telescope installed.
- 2) No malfunctions were experienced.
- 3) A receiver mounted, hunting type telescope was used.
- 4) Each rifle had eighty rounds of assorted ammunition fired through it.
- 5) Ammunition consisted of several different brands with bullet weights varying from 110 gr. to 200 gr.

DMcC/bd
Measurement/Test Lab
Illion Research Division