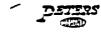
## REMINGTON ARMS COMPANY, INC.





Distribution: \ C. B. Workman J. W. Brooks C. E. Ritchie P. Nasypany

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RESEARCH TEST and MEASUREMENT REPORT - Report No. 822641 M/700 ADL 30-06 RESTYLE 1983 VERSION TRIAL & PILOT EVALUATION

Prepared by:

J. Baggetta

Date Prepared: 10-25-82

Proofread and Cleared By:

J.H. Hennings ,

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Sr. Supervisor - Testing. Meas. & Mech. Analysis Lab

### TEST & MEASUREMENT LAB REPORT

REPORT NUMBER:	822641		
REPORT TITLE:	M/700 ADL 30-06 RESTYLE 1983 VERSION TRIAL & PILOT EVALUATION		
MODEL(S):			
gauge or caliber:	700 ADL		
DATE:	30-06		
WORK ORDER NO.:	81362 - 904		
PART NAME:	700 ADL 30-06 Restyle		
Designer/engineer:	P. Nasypany		
TEST TYPE:			
1.	PHOTO LAB		
2.	STRENGTH TEST - NO. OF GUNS TESTED		
3.	Function test - No. of Guns tested8		
4.	ACCURACY TEST - NO. OF GUNS TESTED 8		
5.	MEASUREMENTS - TYPE:		
<b>6.</b>	ENVIRONMENTAL TEST		
7.	Ammunition testing & Evaluation - Type:		
8.	VISUAL EVALUATION - OUT OF GUN SAMPLE		
9.	ENDURANCE - NO. OF GUNS TESTED:		
	no. of rounds ' per gun:		
	TOTAL ROUNDS FIRED IN TEST:		
	AMMO TYPE: MAGS,; TARGET:		
	RIM FIRE CENTER FIRE		

October 25, 1982

December

TO:

J. H. Hennings

FROM:

J. Baggetta

REPORT TITLE:

M/700 ADL 30-06 RESTYLE 1983 VERSION TRIAL & PILOT

**EVALUATION** 

#### ABSTRACT

On August 21, 1982, a work request was received from P. Nasypany; Current Products Design to conduct a Research Trial & Pilot Test on the first run of production Trial & Pilot M/700 ADL Restyle, 1983 version guns.

### SCOPE OF TEST

To evaluate the overall functional performance and accuracy of the M/700 30-06 ADL Restyle Trial & Pilot.

#### TEST RESULTS

#### A. Field Cycle

There were three (3) stem chamber right out of 2040 rounds fired. The overall malfunction rate was 0.12%.

#### B. Accuracy

Five of the eight M/700 30-06 ADL Restyle rifles shot with the gallery accuracy device did not meet Remington standards which is 3.5" center to center. Four of these five wre then shot from the shoulder and all four met the Remington Standard.

#### REPORT TEXT

#### Field Function

Eight M/700 30-06 ADL Restyle rifles were fired a total of 2040 rounds (255 rounds each) with a total of three malfunctions occurring. The following rifles all experienced one malfunction each. (Stem chamber right.)

- 1. B6407981 Remington 125 gr. Pointed Soft Point.
- 2. B6408412 Remington 180 gr. Soft Point.
- 3. B6407794 Winchester 180 gr. Soft Point.

Accuracy

Five of the eight M/700 30-06 ADL Restyle rifles that were fired using the accuracy device did not meet Remington standards which is 3.5" center to center. They are:

- 1. B6407263
- 2. B6407794
- 3. B6408412
- 4. B6408155
- 5. B6407475

Four M/700 30-06 ADL Restyle were then selected to be fired from the shoulder at R & D 100 yd. range. All four rifles met Remington Standards which is 3.5" center to center.

#### TEST PROCEDURE

#### A. Measurements

1.) See Appendix "A" Data Sheet No. 1 for detailed information pertaining to measurements.

#### B. Field Function Test

Eight (8) M/700 30-06 ADL Restyle rifles were taken to Ilion Fish and Game Club 100 yard range. The weather was cool and overcast. The rifles were cooled every 15 rounds. (Able to hold barrel in hand.) Four men were used to fire the rifles, incorporating the round robin system. The three brands of ammunition were used. Refer to Data Sheet/Appendix "A" Data Sheet No. 2 for breakdown of bullet weight used per caliber. Each man took 15 rounds of each bullet weight per ammo type and fired 5 rounds at a time, using the feed rate (5 rounds slow, 5 rounds medium, 5 rounds fast speed.

The rifles used in Field Test M/700 AD. 30-06 are listed below:

B6408648	B6408155
B6407981	B6408412
B6407773	B6407794
B6407475	B6407263

#### C. Accuracy Test

- 1. The accuracy test was conducted in the 100 yard range using the gallery accuracy device.
  - a.) Five shot groups
  - b.) Remington 180 gr. S.P.
  - c.) Measurements taken (See Appendix A. Sheet No. 3)
  - d.) Shots measured from center to center

The rifles used in Accuracy Test M/700 ADL 30-06 are listed below:

B6407263	B6408648
B6407794	B6407981
B6408412	B6407773
B6408155	B6407475

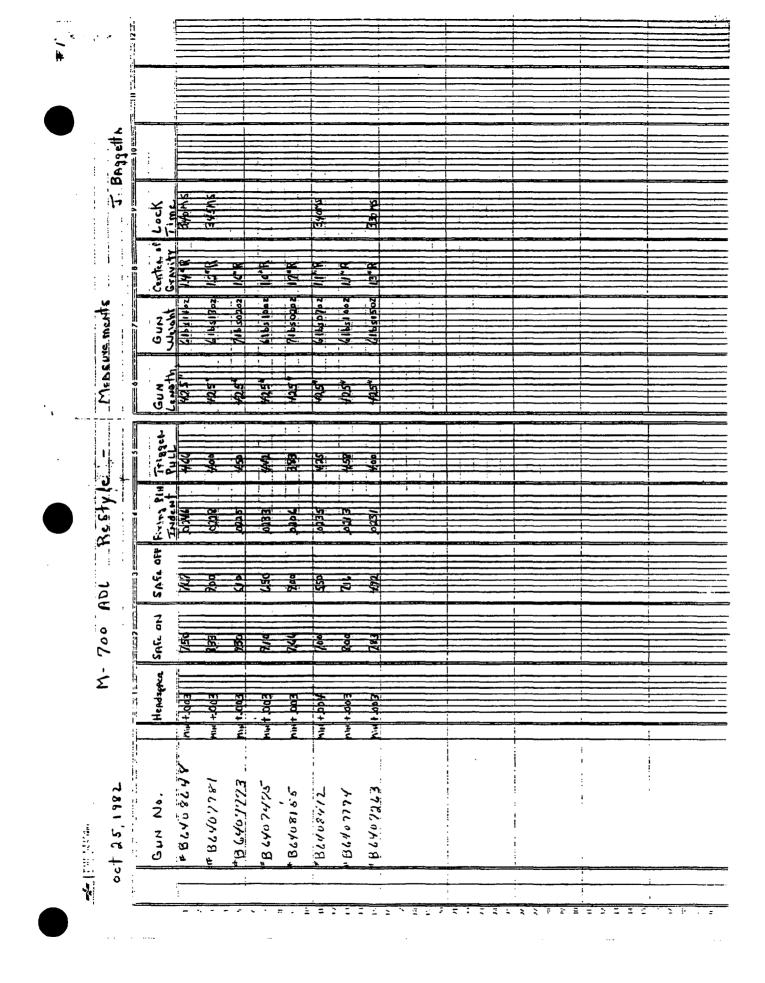
- 2. Four M/700 ADL 30-06 were selected to be fired from the shoulder at the R & D 100 yard range with scope (Lyman All American 20-X-Dot.).
  - a.) Two five shot groups
  - b.) Remington 180 gr. SP (Lot No. ES171 R & D)
  - c.) Remington 180 gr. SP (Lot No. S20B Gallery)
  - d.) Measurements taken (See Appendix A Sheet No. 4 for more details )
  - e.) Shots measured from center to center.

The rifles used in this accuracy test M/700 ADL 30-06 are listed below:

B6408155	B6407263
B6408412	B6407773

"APPENDIX "A"

Data Sheets



# DATA Sheet #2

Remingt	on 30-06	Federa)	30-06
125-73		150 - 58	
150-PS	8	180- 28	
150-B9		125- SR	
165- PS	2 <b>B</b>	1.65 - 58 Prem	
180- S	8	200-58	
180-P	58		
220- 8			

## DATA Sheet #3

· CAllory Accuracy Devise (Group size Armage) of three

- 1. B 6407263 3.58"
- 2. B 6407794 3.62"
- 3. B 640 8412 4.15"
- 4. B 640 8155 4.32"
- 5. B 6408648 3.05"
- 6. B 6407981 3.32"
- 7. B 6407773 2.58"
- 8. B 6407475 3.60"

N No.		Remington 180 gr SP Lot 520 B Group Size Auring
B 6408155	1.40 "	2. 46 "
B 6407263	1.73 "	2.46"
B6408412		2-48"
B 6407773	2.20 "	1-91"
40 XB	To Confirm Ammunition	
047631-R	1.30"	1.28"
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