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REMINGTON ARMS COMPANY, INC.

INTER-GEPARTMENTAL CORRESPONDENCE

Remineton

Dente

Discibution: C. B. Workman

J. W. Brooks C. E. Ritchie

P. Nasypany

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

RESEARCH TEST and MEASUREMENT REFORT - Report No. 821601

M/700 CLASSIC.300 H & H MAGNUM · DESIGN VERIFICATION AND PRODUCT ACCEPTANCE

Prepared by: J. Baggetta

aus Prepared: 1 · 19 · 83

Proofreed and Cleared By:

J.H. Hennings , | R.E. Mightingels,
Foreman-Test Lab/ Foreman-Massarement Lai

Signature

C.E. Ritchie, Sr. Supervisor - Testing, Mess. & Mech. Analysis Lab

Dare

TEST & MEASUREMENT LAB REPORT

	201/01								
REPORT NUMBER:	821601								
	M/700 CLASSIC 300 H & H MAGNUM - DESIGN VERIFICATION AND AND PRODUCT ACCEPTANCE								
	700 CLASSIC								
GAUGE OR CALIBER:	300 H & H Magnum								
DATE:	6/9/82								
WORK ORDER NO.:	C-5010-000								
PART NAME:									
DESIGNER/ENGINEER:	P. Nasypany								
TEST TYPE:									
1.	PHOTO LAB								
2.	STRENGTH TEST - NO. OF GUNS TESTED								
· 3.	Function test · No. of guns tested 5								
4.	ACCURACY TEST - NO. OF GUNS TESTED 5								
5.	MEASUREMENTS - TYPE: Static								
6.	environmental test								
7.	Ammunition testing & Evaluation - Type:								
8.	VISUAL EVALUATIONOUT OFGUN SAMPLE								
9.	ENDURANCE · NO. OF GUNS TESTED:5								
	NO. OF ROUNDS PER GUN: 60								
	TCTAL ROUNDS FIRED IN TEST: 300								
	AMMO TYPE: MAGS; TARGET:								
	RIM FIRE CENTER FIRE X								
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January 19, 1983

TO:

J. H. HENNINGS

FROM:

J. BAGGETTA

REPORT TITLE:

M/700 CLASSIC 300 H & H MAGNUM · DESIGN VERIFICATION AND

PRODUCT ACCEPTANCE

ABSTRACT

A request was received from P Nasypany, Current Firearms Design, to field function and accuracy test 5 M/700 Classic 300 H & H magnum rifles.

SCOPE OF TEST

To evaluate the performance of five (5) Classic 300 H & H magnum rifles for Design Verification and Product Acceptance.

TEST RESULTS

A. Field Function Test

Five (5) rifles were fired 60 rounds each for a total of 300 rounds. No malfunctions occurred on any
of the rifles.

B. Accuracy Test

o Four of the five rifles were within Remington Standards which is 3.5" for a 5 shot group. The remaining rifle was over spec., the average of the three groups was 3.72".

TEST TEXT

A. Field Function Test

No feeding problems or malfunction occurred during the Field Function Test. Two brands of ammunition, Remington and Winchester, were used in this test.

B. Accuracy Test

The accuracy results on four of the rifles were within Remington Standards. One rifle, Serial No. B6386736 experienced accuracy problems with the first and third groups. The mean was .22" over the spec. (Mean of the group was 3.72" for this rifle). For all accuracy information, refer to Appendix "A", Data Sheet No. 1.

TEST PROCEDURE

A. Measurements

o Static measurements were taken by Test Lab personnel. See Appendix "A", Data Sheet No. 2

B. Field Function Test

The Field Function Test was run at the Ilion Fish & Game Club 100 yard range. The test consisted in shoulder firing of 5 rifles cooling every 20 rounds. (Able to hold barrel in hand) Five men were used to fire the rifles incorporating the round robin system. Each man took 20 rounds of each bullst weight and ammo type and fired 5 rounds slow, 5 rounds medium, 5 rounds fast and 5 rounds various feed rate (slow, medium, fast).

C. Accuracy Test

The accuracy test was run in the plant 100 yard range using the gallery accuracy device. Three five shot groups were fired with each rifle. Remington Standard for group size is 3.5" measuring from center to center. Remington 180 gr. Pointed Soft Point was used for this test.

D. Ammunition

- Remington 180 gr. Pointed Soft Point
- o Winchester 180 gr. Silver Tip

E. Test Rifles

Rifles used in Field Function Test:

M/700 Classic 300 H & H Magnum

B6386567 B6386692 B6386593 B6386736

B6386665

F. Remington Standards

There are no Remington Standards for .300 H & H Magnum. This test was compared to .300 Winchester Magnum. This test was compared to .300 Winchester Magnum with these standards:

Headspace Min. +.000"	Safe On	Safe Off	F. P. Indent Min. 018"	Trigger Puil
Max +.010"	None	None	Max. 026"	May 5 lbs.

"APPENDIX "A"

Date Sheets

M/700 - 300 H & H MAG DESIGN VERIFICATION - ACCURACY TEST

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Test conducted — Gallery Accuracy Device 100 yds. — Grps. measured — C. to C.

Rotation fired to keep bbls cool. Gun 1 — Group 1 — Gun 2 — Group 1 — etc.

Rem. 180 Gr. PSP Code S218 3536

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