

cc: S. M. Alvis - W. E. Leek
H. J. Hackman - V. G. DeKous
W. A. Best
R. P. Kelly
C. H. Morse - H. J. Waterman

MEMORANDUM

Ilion, New York
March 20, 1964

TO: C. B. WORKMAN

FROM: W. R. GOOGIN *W.R.G.*

MODEL 600 - CALIBER .222 - PILOT LINE TEST NO. 2

Ten Model 600 - Caliber .222 rifles were withdrawn for pilot line test. Detailed results are tabulated on attached sheet.

Summary of Test:

1. Headspace All satisfactory.
2. Trigger Pull All satisfactory.
3. Accuracy From shoulder - 20X scope at 100 yds.
Bench rest. 3 - 5-shot groups
Measured center to center.
4. Function Test from Shoulder Three guns exhibited feeding difficulties.
These are tabulated on attached sheet.
All malfunctions occurred while working
the bolt slowly.

W. R. Googin
W. R. Googin
Firearms Design Test Lab

WRG:T
Attach.

At 000 - Cal. 222
Pilot Line Test - No. 2

Gun Serial No.	Headspace		Ammunition	Rounds	No. Malf.	Type of Malfunction	Trigger Pull (lbs.)		Accuracy (Inches)						
							Avg. of 10	Max.	Shoulder			Firing Pin Indent			
	5-Shot Group								Min.	Max.					
	1	2									3	Avg.	Min.	Max.	
4140	OK	OK	Rem.	20	0		4.95	5.25	4.50	1.45	1.25	1.95	.019	.019	.019
4541	OK	OK	Rem.	20	0		4.25	4.50	4.0	1.7	1.6	.85	.019	.020	.0195
4352	OK	OK	Rem.	20	0		4.5	5.0	4.5	1.2	1.2	1.3	.019	.020	.0192
4511	OK	OK	Rem.	20	0		4.125	4.5	4.0	1.15	1.15	2.05	.019	.019	.0193
4133	OK	OK	Rem.	20	1	Stem High Tip of bullet bent	4.325	5.0	4.25	2.3	1.6	.85	.019	.0195	.0192
4375	OK	OK	Rem.	20	2	Stem Low - not jumping out about 7 ft. causing 20 to stem. not falling	4.35	5.0	4.0	2.3	2.0	1.85	.015	.019	.0189
4365	OK	OK	Rem.	20	0		4.7	5.0	4.5	1.35	1.4	2.35	.015	.019	.0188
4375	OK	OK	Rem.	20	1	Stem Low - same as above gun # 4375	4.8	5.0	4.5	1.15	1.35	1.35	.019	.015	.017
4345	OK	OK	Rem.	20	0		4.1	4.5	3.25	1.05	1.0	1.25	.015	.0195	.018
4520	OK	OK	Rem.	20	0		4.05	4.25	4.0	1.75	1.55	1.85	.017	.018	.0174