

TEST AND MEASUREMENT LAB

TEST REPORT

REQUESTER: D. S. Findlay

WRITTEN BY: D. R. Thomas

DATE: 11/10/93

WORK ORDER:

REPORT: 932771

TEST TYPE: Function / Endurance

FIREARM STAT'S: MODEL: 522

CAL: 22

REASON FOR TEST:

To determine the function and endurance characteristics of the Stainless Steel version of the Model 522.

EQUIPMENT REQUIRED:

One Stainless Steel Model 522 (Serial# 3056890)

500 rounds of each of the ammunition types listed.

Winchester	Remington	Federal	CCI
X22LR	6122	710	00052
XT22LR	1522	712	00033
X22LRH	1922		

TEST PROCEDURE:

One hundred rounds of X22LR were shot through the test gun.

All malfunctions and breakages were recorded.

The gun was then cooled with compressed air.

The above procedure was repeated with each ammunition type until all ten types were tested. When all ten ammo types had been tested the tester started over and repeated the cycle until the gun had 3000 rounds on it. At this point the chamber radius was altered by D.S. Findlay and the gun was cleaned. The testing then was resumed until 3990 rounds at which time the Ejector broke.

TEST RESULTS:

	Before Alteration	After Alteration
Malfunction		
Stems Chamber	28	3
Don't Close Up	24	3
Bolt Override	13	0
Fail to Fire (Stopped Second Sear)	7	0
Trapped Shell	2	2
Fail to Fire (good hit)	2	0
Fail to Fire (poor hit)	1	0
Total	77	8
Total rounds fired	3000	990
Malfunction rate	2.6%	.8%

Test Request No. 932771

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

Purpose for Testing:

<input checked="" type="checkbox"/> Developmental	<input type="checkbox"/> Design Change Eval.	<input type="checkbox"/> Ammunition Evaluation
<input type="checkbox"/> Design Acceptance	<input type="checkbox"/> Plant Assistance	<input type="checkbox"/> Cost Reduction
<input type="checkbox"/> Trial & Pilot	<input type="checkbox"/> Marketing Request	<input type="checkbox"/> Litigation Support
<input type="checkbox"/> Safety Issue	<input type="checkbox"/> Quality Evaluation	<input type="checkbox"/> Other

Types of Testing Requested:

<input type="checkbox"/> Intentional Abuse	<input type="checkbox"/> Endurance Testing	<input type="checkbox"/> Photography/Video
<input type="checkbox"/> Function Test	<input type="checkbox"/> Dry Cycle Testing	<input type="checkbox"/> High Speed Photography
<input type="checkbox"/> Accuracy Test	<input type="checkbox"/> Ammunition Testing	<input type="checkbox"/> Other (specify)
<input type="checkbox"/> Measurements	<input type="checkbox"/> Environmental Testing	

Type Report Desired:

☐ Formal Written
☒ Informal Written
☐ Results only

Date Requested: 10/1/93
(dd / mm / yy)Date Needed: 12/1/93
(dd / mm / yy)

Work Order No. to be
 Charged for This
 Testing: _____

Name of Requester: D. FUDAS
 Extension where you can reached: 3415
 Pager Number: 242

Firearm Descriptions:

Model(s): <u>M/522</u>	Model(s): _____	Model(s): _____
Gage/Cal: _____	Gage/Cal: _____	Gage/Cal: _____
Barrel Type: _____	Barrel Type: _____	Barrel Type: _____
RAMAC #: _____	RAMAC #: _____	RAMAC #: _____
No. of samples: _____	No. of samples: _____	No. of samples: _____

Explain in DETAIL the reason(s) for conducting this test.

- what are we trying to learn?
- what will be the criteria used to judge the results?
- use back of sheet if more room is needed.

SHOT 1 SAMPLE OF A M/522
 UIPAC STAINLESS STEEL VERSION
 TO 5000 RDS FIREPOWER
 WITH ALL AMMO TYPES
 GUN # 3056890

TL-FORM # -001

Note: No firearms or parts will be tested
 in the Lab unless accompanied by a Work
 Request that is completely filled out
 along with the guns or parts that are to
 be tested. NO EXCEPTIONS

Date completed: ____/____/____

Completed By: _____

Report Completed: ____/____/____