

BARBER - 5.22.06r0000814

Snedeker, Jim

From:

Franz, Scott

Sent:

Thursday, November 02, 2000 8:54 AM

To:

Golemboski, Matt R.; Zajk, Joseph J; Diaz, Danny; Keeney, Mike; Danner, Dale; Snedeker,

Jin

Subject:

10 Gun Test Summary

Importance:

High

Attached are the summary results for the 10 gun test that was completed yesterday.

Results can be summarized as follows:(see attached file for specifics)

- 2 Bolt Handle Braze Failures
 - 1. One handle failed at 107 rounds during live fire testing
 - 2. The second handle failed during the bolt plug abuse test
- Trigger pulls not within Specification
- Followers sticking in magazine boxes
- Bolt stop detent Inconsistent
- Bolt Closing Force High
 - 1. Improved over DAT (Could not measure accurately)
 - 2. High closing force related to extractor operation (2 guns)

In addition our "albeit" limited test shows the new bolt plug design superior. Recommend T&P samples all have the new configuration. Call if you have any questions.

Scott



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PRO.	JECT#	241095	
	0344		

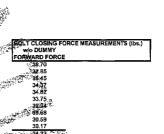
<u>GUN</u>	TRIGGER PULL	Trial 1	Trial 2	Trial 3	AVERAGE
A-1		4.75	5	4.5	4.75
A-2		4.75	4.75	4.75	4.75
A-3		5.5	5.25	5	5.25
A-4		5.5	5.5	5.25	5.42
A-5		6	5,75	5.75	5.83
A-6		4.75	4.25	4.75	4.58
A-7		4.75	5	5	4.92
A-8		5.5	5.5	6	5.67
A-9		6	5.25	5.5	5.58
A-10		4.75	4.5	4.75	4.67

CONFIRM PROPER FIT BETWEEN STOCK AND RECEIVER AND STOCK TO BARREL NO SHIMS

A-1	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-2	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-3	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-4	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-5	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-6	OK
A-7	OK .

CONFIRM PERMANENT ATTACHMENT OF RECOIL LUG TO STOCK RECOIL LUGS ON ALL 10 GUNS WERE PERMANENTLY GLUED TO THE STOCK.

				HEAD SPACE			w/o DUMMY	w/DUMMY	w/o DUMMY	Ĺ.
GUN	HEAD SPACE	PROOF RDS	HEAD SPACE	@ 10 RDS.	Firing Pin->	Cocked	Cocked	Uncocked	Uncocked	Ŀ
A-1	MIN	1	0.001	0.002		4.23	2.67	12.59	11.62**	
A-2	0.001	1	0.003	0.003		3,43	2,84	13.75	13.46	
A-3	0.002	1	0.002	0.003		2,48	2.67	13.15	12.79	
A-4	MIN	1	0.002	0.002		3.89	3.34	11.63	10.62	
A-5	0.001	1	0.002	0.002		3.38	2.55	13.54		٤
A-6	0.001	1	0.002	0.002		3.26	2.53	11.69	11.54	
A-7	0.001	1	0.002	0.002		2.97	2.59	14.88	15.09	
A-8	0.001	1	0.002	0.002		3.28	3.09	14.61	14.97	
A-9	0.001	1	0.002	0.002		3.16	3.39	11.8	11.03	
A-10	0.001	1	0.002	0.002		3.70	3.54	10.03	9.83	
					Avg.	3.38	2.92	12.77	12.33	
					Std. Dev.	0.49	0,39	1.51	1.77	



Model 710 - 10 Gun Test Data

5.0 C1 5.14200 6.53058 3.75342 0.46286

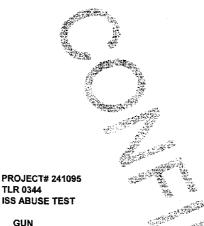
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PROJECT# 241095 TLW 0344 200 ROUND JACK FUNCTION TEST

GUN	AMMO	ROUNDS	
A-1	REM R30065 180GR	200	NO MALFUNCTIONS BOLT HANDLE BROKE 10 RDS
A-2	REM R30065 180GR	107	NO MALFUNCTIONS NO MALFUNCTIONS NO MALFUNCTIONS
A-3	REM R30065 180GR		THE THE STREET STREET
A-4	REM R30065 180GR	200	(6) STEM LOWS. FOLLOWER STICKING. FILED FOLLOWER NO MORE MALFUNCTIONS
A-5	REM R30065 180GR	200	NO MALFUNCTIONS
A-6	REM R30065 180GR	200	NO MALFUNCTIONS
A-7	REM R30065 180GR	200	NO MALFUNCTIONS NO MALFUNCTIONS NO MALFUNCTIONS
A-8	REM R30065 180GR	200	NO MALFUNCTIONS
A-9	REM R30065 180GR	200	(6) STEM LOWS. FOLLOWER STICKING, FILED FOLLOWER NO MORE MALFUNCTIONS
A-10	REM R30065 180GR	200	NO MALFUNCTIONS

TESTERS REPORTED THAT THE BOLT CLOSING FORCE WAS VERY HIGH WHILE ROTATING THE OPERATING HANDLE
DOWNWARD ON GUNS A-1 & A-7, THIS OCCURRED MOST OF THE TIME, BUT NOT ON EVERY CYCLE



- A-1
- A-5
- OLD STYLE INSERT
 BOLT CLOSED EASILY WITH ISS LOCKED. NO VISIBLE DAMAGE.
 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
 CLOSED BOLT WITH ISS LOCKED. BROKE BOLT PLUG, DAMAGE VISIBLE. **A-**7
- CLOSED BOLT WITH ISS LOCKED, BROKE BOLT PLUG. DAMAGE VISIBLE.

- A-3
- A-6
- A-9
- NEW STYLE INSERT
 CLOSED BOLT WITH ISS LOCKED, NO DAMAGE VISIBLE.
 COULD NOT CLOSE BOLT ISS LOCKED, NO DAMAGE VISIBLE.
 CLOSED BOLT WITH ISS LOCKED, NO DAMAGE VISIBLE.
 COULD NOT CLOSE BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.

INSPECTED ALL BOLT PLUG WITHOUT VISIBLE DAMAGE USING STEREOSCOPE

