

From:

Franz, Scott

Sent:

Thursday, November 02, 2000 8:57 AM

To:

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

Danner, Dale; Snedeker, Jim

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

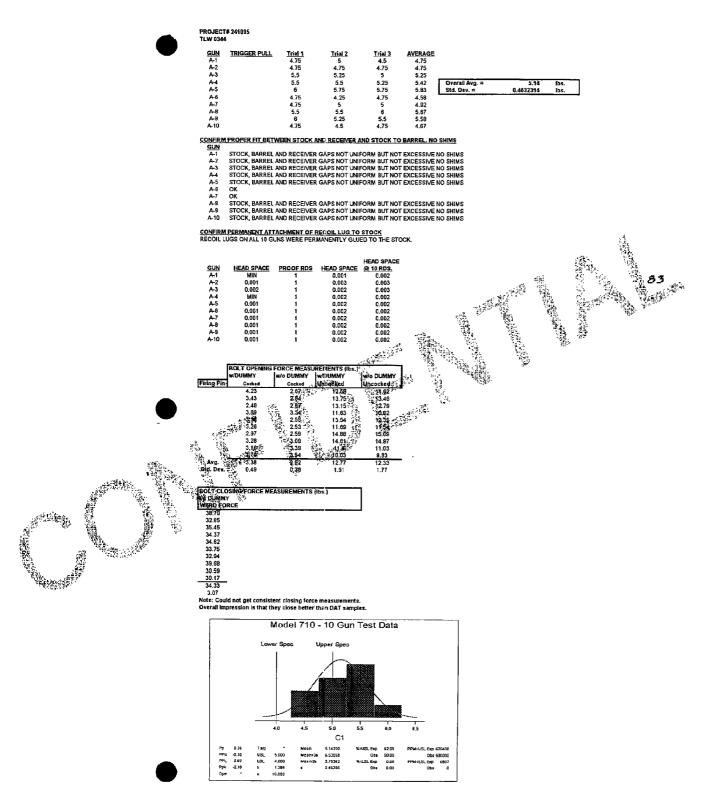
Bolt Closing Force High

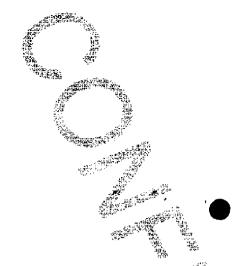
- 1. Improved over DAT (Could not measure accurately)
- 2. High closing force related to extractor operation (2 guns)

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

<<File: M710 10 Gun Test Summary

ET06595



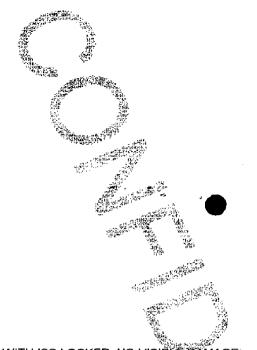


PROJECT# 241095 TLW 0344 200 ROUND JACK FUNCTION TEST

| GUN | AMMO | ROUNDS | |
|------|------------------|--------|---|
| A-1 | REM R30065 180GR | | NO MALFUNCTIONS |
| A-2 | REM R30065 180GR | 107 | BOLT HANDLE BROKE 107 RDS |
| A-3 | REM R30065 180GR | 200 | NO MALFUNCTIONS |
| 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 |
| 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.





TLR 0344 ISS ABUSE TEST

PROJECT# 241095

GUN

OLD STYLE INSERT

- A-1 BOLT CLOSED EASILY WITH ISS LOCKED. NO VISIBLE DAMAGE.
- A-5 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE
- A-7 CLOSED BOLT WITH ISS LOCKED. BROKE BOLT PLUG, DAMAGE VISIBLE.
- A-8 CLOSED BOLT WITH ISS LOCKED. BROKE BOLT PLUG DAMAGE VISIBLE.

NEW STYLE INSERT

- A-3 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
- A-6 COULD NOT CLOSE BOLT ISS LOCKED. NO DAMAGE VISIBLE
- A-9 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
- A-10 COULD NOT CLOSE BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.

INSPECTED ALL BOLT PLUG WITHOUT VISIBLE DAMAGE USING STEREOSCOPE



RE Bolt Plugs.txt

From: Franz, Scott

Sent: Wednesday, November 01, 2000 1:25 PM

To: Golemboski, Matt R.; Zajk, Joseph J, Franz, Scott

Cc: Diaz, Danny; Danner, Dale; Keeney, Mike

Subject: RE: Bolt Plugs Importance: High

Also forgot to mention that we broke off another bolt handle during this test.

From: Franz, Scott

Sent: Wednesday, November 01, 2000 12:10 PM

To: Golemboski, Matt R., Zajk, Joseph J

Cc: Diaz, Danny, Danner, Dale, Keeney, Mike

Subject: Bolt Plugs

Importance: High

We performed an abuse test to evaluate the two proposed bolt plug designs. 4 of each were tested by attempting to close the bolt with the ISS system in the locked position. 2 of the 4 old design (DAT configuration) plugs cracked during this test while none of the new design plugs failed. Both designs were made of the same material.

FYI, Scott