

Scott Franz

From: Golemboski, Matt R.  
Sent: 09/11/2003 05:08:48 PM  
To: Franz, Scott; Keeney, Mike; Thweatt, Ed T.  
CC: Diaz, Danny; Reesor, Phillip K.; Snedeker, Jim  
BCC:  
Subject: RE: 710 Magnum Update

Lets have a conf call on Friday 9/12/03 at 10:00 cst to discuss the issues and path forward for the T&P guns.

Matt

-----Original Message-----

From: Franz, Scott  
Sent: Thursday, September 11, 2003 2:16 PM  
To: Golemboski, Matt R.; Keeney, Mike; Thweatt, Ed T.  
Cc: Diaz, Danny; Reesor, Phillip K.; Snedeker, Jim  
Subject: 710 Magnum Update  
Importance: High

Matt,

Thought I'd update everyone at the same time as to 710 Magnum DAT status. To refresh everyone's memory we were not able to test the "B-Series" guns, extruded receiver, due to dimensional issues with the magazine opening in the receiver. These guns were returned to Mayfield. The "A-Series" guns, standard 710 design, have been in DAT for some time. To date the following has been completed on this 15 gun sample.

- \* Preliminary measurements
- \* HS/Proof/HS
- \* 100 rd. Proof Test (Combined with strain gage test)
- \* Initial Jack function
- \* Initial Shoulder function
- \* Accuracy
- \* 500 rd. Endurance
- \* 1,000 rd. Endurance
- \* Cold Test
- \* Hot Test - will be done today, 9/11
- \* Thermal Cycle - in process

All Thermal testing and Drop type testing (SAAMI Jar-Off, Drop, Rotation and extended Jar-Off, Drop and Rotation) should be complete by the end of next week. The long pole in the tent will be Endurance, where 1 gun needs to go from 1,000 to 4,000 rounds. Endurance is on hold pending repair of bolt heads with new extractors. These were sent to Mayfield yesterday for repair.

To date the following issues have been found.

- \* Small hair line cracks in stocks. These have been found in both corners just behind the recoil lug and just behind the front take down screw hole. No crack propagation or deformation of the stock has occurred since initial observance of the crack. We're going to go back and inspect .30-06 and .270 Win. DAT and T&P guns to see if cracks were also present in these guns.
- \* Scopes have moved during the Scope Endurance Test and significant POI variations have occurred. 5 guns have been tested to date. This is a result of scope rings loosening from live firing. A more robust scope retention system is needed on the Magnum.
- \* A full Magazine Box can bind the action if the rounds are loaded incorrectly. This is caused by an incorrect stagger in the box. This appears to be a loading/learning issue when loading the box. If the