

To: Dale Danner
From: Scott Franz

4/17/01

In RE: Model 710 T & P Status (.270 Win.)

This test program is on hold due to unacceptable results generated during the 100 rd. Basic Function Test. All 30 guns were fired 100 rds. using 5 different Remington ammunition types. Two types of malfunctions occurred during this portion of testing:

- Misfires
17 total misfires in 3000 rds. fired
16 were on one gun (Gun A-26)
Indents measured .014-.015" on this gun
Indents averaged .0171" on the 10 Measurement guns (.016"-.018")
- Stem Low malfunctions: 67 total in 3000 rds. fired (a 2.2 % rate)
23 of 30 guns had Stem Low malfunctions (worst gun had 8)
7 guns had no Stem Lows
6 guns shot clean
4 of 5 ammo types had Stem Lows
47 of 67 malf. w/ 1 ammo type (REM PRB270WA 140GR)

The Test Lab has completed the following on this test program:

- Visual Inspection - **OK**
- Packaging Audit - **OK**
- Measurements
 - Headspace - **OK**
 - Indent - **10 Gun Avg. = .0171"** (In line with .30-06 T & P)
 - Engagement - **.0278"** (High but in line with .30-06 T & P)
 - Sear Lift - **.0164"** **OK**
 - Trigger Pull - **Avg. = 4.39 lbs. OK**
 - Safe On Forces - **Avg. = 6.13 lbs. OK**
 - Safe Off Forces - **Avg. = 3.30 lbs. OK**
 - Firing Pin Head to Sear Engagement - **Avg. = .061"-.082" OK**
 - Bolt Stop Release Force - **Avg. = 4.71 lbs. OK**
- 10 rd. Safety Function Test (w/lanyard) - **OK**
- Bore Sight Test (POI vs POA) - **Averaged 6.4 " with Std. Dev. = 2.1 OK**
- Accuracy Test (w/High Quality Scope) - **Avg. Grp(10 guns) = 1.87 in. OK**
- 100 rd. Basic Function Test (w/5 Rem. Ammo Types) - **See Above**

Not Completed:

- Package Drop Test
- 400 rd. Extended Function Test (10 guns)
- Hot, Cold, Heat & Humidity Test

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