

**REMINGTON ARMS COMPANY INC.
ILION, NY PLANT SITE**

**TECHNICAL DIVISION
TEST & MEASUREMENTS LAB**

TEST REPORT

**M/700 XMP Trigger Assembly
Updated MIM Sear Verification**

	Request #
20080006	
	DATE:
2/26/2008	
	Requested by:
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K. Farrington	

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Test Lab File**

ABSTRACT:

The Test Lab received a request to evaluate the redesigned MIM produced sear safety cam. When the original design was submitted, there was a binding issue where the trigger and sear make contact. This problem area was remedied by having .006" inch ground off the surface of the sear in the Tool Room.

Twenty trigger assemblies were submitted, ten were used for dry cycle and five were assembled to firearms for endurance testing.

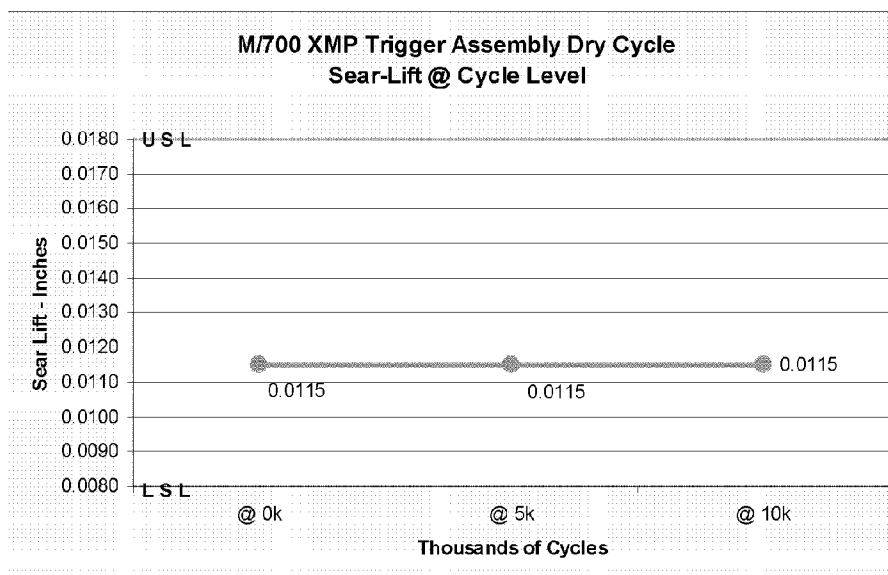
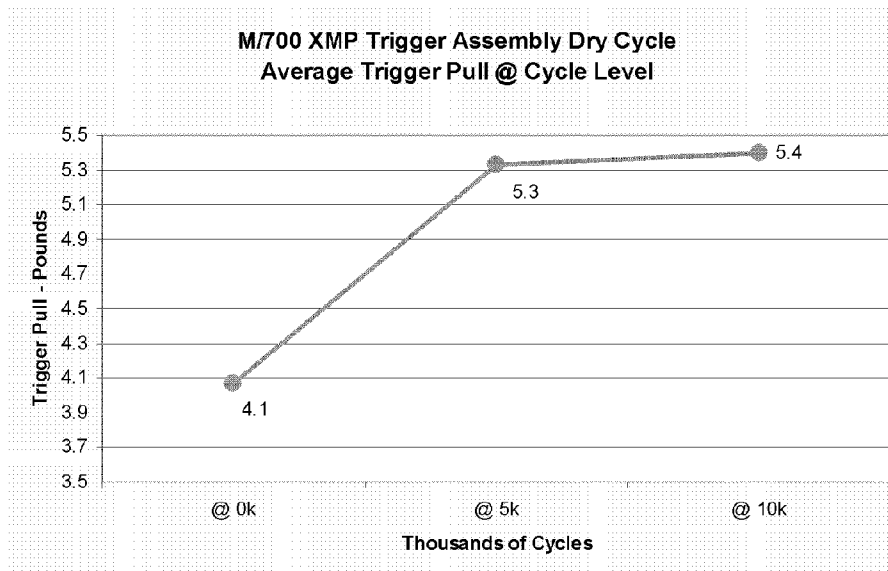
SCOPE:

The testing began with 10 trigger assemblies being set for trigger pull, and the sear lift and safety on/ off forces measured. They were then dry cycled for 5,000 cycles with trigger pull and sear lift measured. They were then completed to 10,000 cycles and measured for safety, trigger pull, and sear lift.

The five rifles were measured for trigger pull, sear lift and safety on/ off force. They were then jack fired from 500 to 3000 rounds.

RESULTS:

Dry Cycle- The dry cycle phase was completed without any problems- no breakages or abnormal wear present. The measurements were consistent with previous testing done on the trigger assemblies.



Endurance- The endurance was done with no malfunctions in 7000 rounds. The following chart shows the firearm serial numbers and amount of rounds consumed. The safety was worked upon every reloading of the magazine. There were no issues with the trigger or safety arms.

MALFUNCTIONS SORTED BY SERIAL NUMBER

	# of # of Malf. Malfunction Serial # Malf Rds. Fired Rate BO DE EDS JM SO SBC SLC STC
G6697709	0 3000 0.00%
S6621300	0 2000 0.00%
G6697688	0 1000 0.00%
S6620747	

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0
500
0.00%

G6697710

0
500
0.00%

TOTALS

0
7000
0.000%
0
0
0
0
0
0
0
0

