

CONFIDENTIAL

Remington Arms Company Inc.
RESEARCH & DEVELOPMENT TECHNICAL CENTER
315 WEST RING ROAD
ELIZABETHTOWN, KY 42701

TLW 1012**Primed Case Test:**

- Place the Safety in the "FIRE" position.
- Attempt to fire the primed case by pulling the trigger. (Make one attempt only.)
- Record results.
- If the primed case did not fire determine if the firing pin or hammer has fallen by observing the position of the firing pin or hammer. Carefully open the action and remove the primed case. Inspect primer for evidence of firing pin contact. Document findings.
- Put the Safety in the "SAFE" position.
- If the primed case did not fire review results with Test Lab Supervision before proceeding to the Live Fire Test.

24 Round Live Fire Test:

- Load the magazine and chamber with live ammunition.
- Put the Safety in the "FIRE" position and attempt to fire the loaded rounds. Record results for each round.
- If at any time the gun fires without the trigger being pulled, **STOP** the test immediately and notify Test Lab Supervision. **DO NOT OPERATE ANY OF THE FIREARM'S MECHANISMS DURING THIS TIME.**
- If repeated malfunctions make it impossible to fire the remaining ammunition, stop the test and notify Test Lab Supervision.
- Cycle the safety from "FIRE" to "SAFE" after every firing cycle.
- At the end of every firing cycle:
- Verify the firearm is not loaded.
- Close the firearm on an empty chamber and put the safety in the "SAFE" position
- Apply a 10 lb. load to the trigger by using either a digital force gage or spring scale - Firearm must not fire. Record results.
- With the finger off the trigger, move the safety to the "FIRE" position - Firearm must not fire. Record results.
- Put the Safety on "SAFE" and open the bolt or action.
- Repeat the firing sequence until either 24 rounds are fired or the test is stopped.
- At the conclusion of testing disassemble the firearm over a large piece of white paper and weigh the amount of debris present in the main mechanism after cleaning off all the parts.

Data Required:

- Record malfunctions.
- Record number of rounds fired.
- Record weight of debris found in the gun.
- Record Testers' Names
- Record TLW Number.

TABLE No. 1. COMPOSITION OF SAND AND DUST MIXTURE

(By percent particles, by weight, retained in sieves)

<u>Sieve Size (US gage sieve no.)</u>	<u>Percent of weight retained</u>	<u>Particle Size (microns)</u>
20	3	842 to 1000
30	5	595 to 841
45	17	355 to 595
60	14	251 to 354
100	10	150 to 250
pass 100	less than 1	----

J.R. Snedeker

Page 31 of 41

03/21/03

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Revision # 1.3

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