

**CONFIDENTIAL**

Remington Arms Company Inc.  
 Research & Development Technical Center  
 315 West Ring Road  
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## **ENVIRONMENTAL TESTING:**

### **TEMPERATURE & HUMIDITY – TLW0300AG THROUGH TLW0300AI**

#### **TLW0300AG - Hot Function Test:**

This test evaluates the effect of extreme high temperatures on the functioning performance of firearms.

##### **Method:**

- Condition test firearm and 100 rounds of ammunition in a climatic chamber for at least 6 hours at a temperature of 120 degrees F. (or as close to 120 degrees F. as the equipment can be maintained.)
- Test each firearm after removing from the chamber as follows:
  - Fire 20 rounds of ammunition. Replace the rifle in the chamber. Wait 2 hours and repeat procedure until all 100 rounds have been fired.
  - Do not perform maintenance during the 100 round cycle.
  - Cycle the safety from fire to safe every 5 rounds.
  - The tester should wear gloves to protect his hands from the hot metal.
- After 100 rounds have been fired through each firearm, disassemble, thoroughly inspect, clean and lubricate.

##### **Data Required:**

- Record temperature and exposure times
- Record all malfunctions.
- Record damage noted during inspection

#### **TLW0300AH - Cold Function Test:**

This test evaluates the effect of extreme low temperatures on the functioning performance of the firearms. Shoot the firearm after removing from the environmental test cabinet.

J R. Snedeker

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Revision # 3

ET53539