

**CONFIDENTIAL**

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

**TLW 1005**

| Table of Ammunition to use for Thermal Tests |                         |           |       |
|----------------------------------------------|-------------------------|-----------|-------|
| Manufacturer                                 | Type                    | Code      | RAC   |
| Remington                                    | High Velocity Game Load | HV12-6    | 20065 |
| Remington                                    | Premiere Target         | ST812LH-8 | 20252 |
| Remington                                    | Gun Club Light Target   | GC12L-8   | 20230 |
| Remington                                    | Express Mag. Buckshot   | 12SB00    | 20632 |
| Remington                                    | Heavy Field Load        | RP12H-8   | 28120 |

Data Required:

- Shotgun serial number
- Cycle time for each test condition
- Temperature records throughout each cycle. Use the chart feature on the freezer and a temperature-recording device for the chamber.
- Malfunctions type and rates both pre- and post thermal cycles.
- Observations made on cracks, creep or other noteworthy items
- TLW Number
- Testers' Names

**TLW1005V - Heat & Humidity Test:**

This test evaluates the effects of high heat combined with high humidity such as might be found in some shooting environments. Of special interest for this test is the effect of heat and humidity on the wood stock.

Method:

- Store the gun and test ammunition for a minimum of six hours at a temperature of +100°F and 80-90% Relative Humidity.
- Test each firearm after removing from the chamber.
- Use ammunition schedule as listed in the table below.
- Fire 20 rounds of ammunition. Return the firearm to the chamber. Wait 2 hours and repeat procedure until all 100 rounds have been fired.
- Do not perform maintenance during the 100 round cycles.
- Cycle the safety from fire to safe every 5 rounds.
- After 100 rounds have been fired through the firearm, disassemble, thoroughly inspect, clean and lubricate.

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Data Required:

- Record temperature and exposure times
- Record all malfunctions
- Record damage noted during inspection
- Record Testers' Names
- Record TLW Number

J.R. Snedeker

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12/17/02

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Revision #1.0

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Subject to Protective Order - Williams v. Remington