

**CONFIDENTIAL**

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

**TLW 1005****ENVIRONMENTAL TESTING:****TLW1005S - Hot Function Test**

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

**Method:**

- Use one shotgun from the submitted sample.
- Condition test firearm and 100 total rounds of ammunition (20 rounds of each type listed in the table below) in a climatic chamber for at least 6 hours at a temperature of 120 degrees F.
- Test each firearm as follows:
- Remove from chamber and move to Function and Casualty Range for testing in the jack.
- Use the ammunition schedule listed in the table below.
- Fire 20 rounds of ammunition (5 rounds of each type at a time from the table below) and return shotgun to chamber for 2 hours and repeat this 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.
- 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.

<b>Table of Ammunition to use for Thermal Tests</b>			
<b>Manufacturer</b>	<b>Type</b>	<b>Code</b>	<b>RAC</b>
Remington	High Velocity Game Load	HV12-6	20065
Remington	Premiere Target	STS12LH-8	20252
Remington	Cam Club Light Target	GC12L-8	20230
Remington	Express Mag. Buckshot	12SB00	20632
Remington	Heavy Field Load	RP12H-8	28120

**Data Required:**

- Record temperature and exposure times
- Record all malfunctions.
- Record damage noted during inspection
- Record all necessary maintenance actions performed
- TLW Number
- Testers' Names

**TLW1005T - Cold Function Test:**

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

**Method:**

- Use one shotgun from the submitted sample.
- Condition test firearm and 100 total rounds of ammunition (20 rounds of each type listed in the table below) in a climatic chamber for at least 6 hours at a temperature of -20 degrees F.
- Test each firearm as follows:
- Remove from chamber and move to Function and Casualty Range for testing in the jack.

J.R. Snedeker

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Subject to Protective Order - Williams v. Remington

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