

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.

Table of Ammunition to use for Thermal Tests			
Manufacturer	Type	Code	RAC
Remington	High Velocity Game Load	HV12-6	20065
Remington	Premiere Target	STS12LH-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:

- 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