

Test Lab Work Request Form

Date Submitted: 10 March, 2000	Tracking #: TLW 0010AH
Project #: 241095	Engineer: J.R.SNEDEKER
Test Objective: TLW0010AH – Hot Function Test: <p>This test evaluates the effect of extreme high temperatures on the functioning performance of firearms.</p>	
Test Description: <u>Method:</u> <ul style="list-style-type: none"> • Condition test firearm and 100 rounds of ammunition of each caliber 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 within the chamber as follows: <ul style="list-style-type: none"> • Fire 20 rounds of ammunition. Wait 2 hours and repeat 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, remove the firearms from the conditioning chamber, disassemble, thoroughly inspect, clean and lubricate. 	
<u>Data Required:</u> <ul style="list-style-type: none"> • Record temperature and exposure times • Record all malfunctions. • Record damage noted during inspection • Record all necessary maintenance actions performed 	
Resource Usage: Manpower Requirements - Facility Requirements -	Test Results Required: Formal Report: Data Only: X REQUESTED Completion Date:
Required Materials/Parts/Equipment (include quantities):	
Test Parts Availability Date:	
Start Date: 9/15/00 Completion Date: 9/15/00 Report Date:	Test Assigned To: STEVE WADE & JEFF WADE

ET07173

SN:71001322
DATE-9/15/00
SHOOTER-SW JW

710 HOT FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AH
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MMO REMINGTON 30.06 180 GRAIN R30064				LOT # C03 SC1326			
MALFUNCTIONS				MALFUNCTIONS			
1	1			51	1		
2	2			52	2		
3	3			53	3		
4	4			54	4		
5	5	CYCLED SAFETY		55	5	CYCLED SAFETY	
6	6			56	6		
7	7			57	7		
8	8			58	8		
9	9			59	9		
10	10	CYCLED SAFETY		60	10	FIRED 20 ROUNDS AT 120 DEGREE F.	
11	1			61	1		
12	2			62	2		
13	3			63	3		
14	4			64	4		
15	5	CYCLED SAFETY		65	5	CYCLED SAFETY	
16	6			66	6		
17	7			67	7		
18	8			68	8		
19	9			69	9		
20	10	FIRED 20 ROUNDS AT 120 DEGREE F.		70	10	CYCLED SAFETY	
21	1			71	1		
22	2			72	2		
23	3			73	3		
24	4			74	4		
25	5	CYCLED SAFETY		75	5	CYCLED SAFETY	
26	6			76	6		
27	7			77	7		
28	8			78	8		
29	9			79	9		
30	10	CYCLED SAFETY		80	10	FIRED 20 ROUNDS AT 120 DEGREE F.	
31	1			81	1		
32	2			82	2		
33	3			83	3		
34	4			84	4		
35	5	CYCLED SAFETY		85	5	CYCLED SAFETY	
36	6			86	6		
37	7			87	7		
38	8			88	8		
39	9			89	9		
40	10	FIRED 20 ROUNDS AT 120 DEGREE F.		90	10	CYCLED SAFETY	
41	1			91	1		
42	2			92	2		
43	3			93	3		
44	4			94	4		
45	5	CYCLED SAFETY		95	5	CYCLED SAFETY	
46	6			96	6		
47	7			97	7		
48	8			98	8		
49	9			99	9		
50	10	CYCLED SAFETY		100	10	FIRED 20 ROUNDS AT 120 DEGREE F.	

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NOTE:	PLACE GUN B 21 AND 100 ROUNDS AMMO IN PRE-HEATED CHAMBER FOR 14 HOURS AT 120 DEGREE F.		
	TOOK GUN B 21 AND 20 ROUNDS OF AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP ROOM AND		
	SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B 21 AND 20 ROUNDS AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP		
	ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B 21 AND 20 ROUNDS AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP		
	ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B 21 AND 20 ROUNDS AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP		
	ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B 21 AND 20 ROUNDS AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP		
	ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	CLEANED AND INSPECTED GUN. (OK)		83

CONFIDENTIAL

ET07175