

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 style="margin-top: 10px;">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

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	FIRE 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	FIRE 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	FIRE 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	FIRE 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	FIRE 20 ROUNDS AT 120 DEGREE F.	

ET07174

SN:71001322

710 HOT FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AH

DATE-9/15/00

PROJECT # 241095

SHOOTER-SW JW

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)

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ET07175