

Test Lab Work Request Form

Date Submitted: 10 March, 2000	Tracking #: TLW 0010AH
Project #: 241095	Engineer: J.R.SNEDEKER
Test Objective: <u>TLW0010AH – Hot Function Test:</u> This test evaluates the effect of extreme high temperatures on the functioning performance of firearms.	
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 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.

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.
	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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CONFIDENTIAL

ET07175