Test Lab Work Request Form

Date Submitted: 10 March, 2000	Tracking #: TLW 0010AI
Project #: 241095	Engineer: J.R.SNEDEKER

Test Objective:

TLW0010AI - Cold Function Test:

This test evaluates the effect of extreme low temperatures on the functioning performance of the firearms. Shoot the firearm from inside the environmental test cabinet in the long range.

Test Description:

Method:

- Condition the firearm and 100 rounds of ammunition of climatic chamber for at least 6 hours at a temperature of -20 degrees F.
- Test each firearm within the chamber as follows:
- Fire 20 rounds of ammunition. Wait 2 hours and repeat until all 100 rounds have been fired.
- Do not perform maintenance during the 100 found cycle.
- Cycle the safety from fire to safe every 5 rounds.
- After 100 rounds have been fired through the firearm, remove the firearm from the conditioning chamber, disassemble, thoroughly hispect, clean and lubricate.

Data Required:

- Record temperature and exposure times
- · Record all malfunctions.
- Record damage noted during inspection
- Record all necessary maintenance actions performed

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	Resource usage:	l est Results Required:			
ie in i	Manpower Requirements -	Formal Report: Data Only: X REQUESTED Completion Date:			
35,	Facility Requirements -	REQUESTED Completion Date:			
	Required Materials/Parts/Equipment (include quantities):				
	Test Parts Availability Date:				
	Start Date:9/14/00	Test Assigned To: STEVE WADE & JEFF			
	Completion Date:9/14/00	WADE			
	Report Date:				

SN:71001322 DATE-9/14/00 SHOOTER-SW JW

710 COLD FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AI PROJECT # 241095

MIN	U	REMINGTON 30.06 180 GRAIN R30064	LUI	#	C03 SC1326
T		MALFUNCTIONS			MALFUNCTIONS
1	1	MISFIRE	51	1	
2	2		52	2	
3	3		53	3	
4	4		54	4	
51		CYCLED SAFETY	55		CYCLED SAFETY
6	6	OTOLLE ON LIT	56	- 6	OTOLLO ON LITE
7	7		57	$-\frac{3}{7}$	
8	8		58	8	
9	9		59	9	
		CYCLED SAFETY	60		FIRED 20 ROUNDS AT -20 DEGREE F.
_		CTOLED SAFETT	61	1	TINED 20 ROUNDS AT -20 DEGREE F.
11	1		62	2	,4
12	2		63	3	4 to 1 to
13	3				2191
14	4	200 200 200.	64		CYCLED SAFETY
15	-	CYCLED SAFETY	65		
16	6		66	_6	
17	7		67	_7	
18	8		68	8	
19	9		69		
20	10	FIRED 20 ROUNDS AT -20 DEGREE F.	70	10	OYCLED SAFETY 6
21:	1	1.4 - 0.0	71	1) ہنے۔	
22	2	(1.00 (1.00	72	2	
23	3	BOLT WOULD NOT CLOSE	73	3	
24	4		7.4	4	
25		CYCLED SAFETY	75		CYCLED SAFETY
26	-6	CYCLED SAFETY	76	6	0.0220 0.4.2.1
27	7		77	7	
28	8		78	8	
20	-		79	9	
29	40	PYCLED SAFETY		_	FIRED 20 DOUBLES AT 20 DECREE
		STOLED SAFE AT VISI	80		FIRED 20 ROUNDS AT -20 DEGREE F.
31	. 1		81	1	
32	2		82	2	
33	3		83	3	
34	156.74		84	4	
35	75	CYCLED SAFETY	85	5	CYCLED SAFETY
36	6	<u> </u>	86	6	
37	7		87	7	
38	8		88	8	
39	9		89	9	BOLT WOULD NOT CLOSE (ROTATE RD CLOSED
10	10	FIRED 20 ROUNDS AT -20 DEGREE F.	90		CYCLED SAFETY
41	1		91	1	
42	2		92		
43	3		93	2	
44	4		94	4	
45		CYCLED SAFETY	95		CYCLED SAFETY
-	6	OTOLLO UNI LIT	96	6	OTOLLU OMFETT
46					
47	7		97	7	
8	8		98	8	
49	9	0.001.50.0.15	99	9	
50	10	CYCLED SAFETY	100	10	FIRED 20 ROUNDS AT -20 DEGREE F.
- 1	- 1		1		
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710 COLD FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AI PROJECT # 241095

NO	TE: PLACE GUN B 21 AND 100 ROUND OF AMMO IN FREEZER FOR 15 HOURS AT -20 DEGREE F.
	TOOK GUN B 21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS
	WITH LANYARD.
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND
	SHOT 20 ROUNDS WITH LANYARD.
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND
	SHOT 20 ROUNDS WITH LANYARD.
	PUT GUN B-21 BACK 'N FREEZER FOR 2 HOURS.
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND
	SHOT 20 ROUNDS WITH LANYARD.
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND
	SHOT 20 ROUNDS WITH LANYARD.
	CLEANED AND INSPECTED GUN. (OK)