

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: GUN # B-21 SERIAL # 71001322 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 (See report TLW 0010AH) Record all malfunctions. (NO MALFUNCTIONS) Record damage noted during inspection (EVERYTHING OK) Record all necessary maintenance actions performed (See report TLW 0010AH) 	
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

ET18849

AMMO REMINGTON 30.06 180 GRAIN R30064

LOT # C03 SC1326

MALFUNCTIONS

MALFUNCTIONS

1 1
2 2
3 3
4 4
5 5 CYCLED SAFETY
6 6
7 7
8 8
9 9
10 10 CYCLED SAFETY
11 1
12 2
13 3
14 4
15 5 CYCLED SAFETY
16 6
17 7
18 8
19 9
20 10 FIRED 20 ROUNDS AT 120 DEGREE F.
21 1
22 2
23 3
24 4
25 5 CYCLED SAFETY
26 6
27 7
28 8
29 9
30 10 CYCLED SAFETY
31 1
32 2
33 3
34 4
35 5 CYCLED SAFETY
36 6
37 7
38 8
39 9
40 10 FIRED 20 ROUNDS AT 120 DEGREE F.
41 1
42 2
43 3
44 4
45 5 CYCLED SAFETY
46 6
47 7
48 8
49 9
50 10 CYCLED SAFETY

51 1
52 2
53 3
54 4
55 5 CYCLED SAFETY
56 6
57 7
58 8
59 9
60 10 FIRED 20 ROUNDS AT 120 DEGREE F.
61 1
62 2
63 3
64 4
65 5 CYCLED SAFETY
66 6
67 7
68 8
69 9
70 10 CYCLED SAFETY
71 1
72 2
73 3
74 4
75 5 CYCLED SAFETY
76 6
77 7
78 8
79 9
80 10 FIRED 20 ROUNDS AT 120 DEGREE F.
81 1
82 2
83 3
84 4
85 5 CYCLED SAFETY
86 6
87 7
88 8
89 9
90 10 CYCLED SAFETY
91 1
92 2
93 3
94 4
95 5 CYCLED SAFETY
96 6
97 7
98 8
99 9
100 10 FIRED 20 ROUNDS AT 120 DEGREE F.

ET18850

- # 1 PLACE GUN B 21 AND 100 ROUNDS AMMO IN PRE-HEATED CHAMBER FOR 14 HOURS AT 120 DEGREE F.
- # 2 TOOK GUN B 21 AND 20 ROUNDS OF AMMO OUT OF PRE-HEATED CHAMBER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.
- # 3 PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.
- # 4 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.
- # 5 PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.
- # 6 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.
- # 7 PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.
- # 8 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.
- # 9 PUT GUN B 21 BACK IN PRE-HEATED CHAMBER FOR 2 HOURS.
- # 10 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.
- # 11 CLEANED AND INSPECTED GUN. (OK)

CONFIDENTIAL

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