

## Test Lab Work Request Form

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|---|---|
| <b>Date Submitted:</b> 10 March, 2000   | <b>Tracking #:</b> TLW 0010AI   |
| <b>Project #:</b> 241095  | <b>Engineer:</b> J.R.SNEDEKER   |
| <b>Test Objective:</b><br><b>TLW0010AI – Cold Function Test:</b><br><br>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.  |   |
| <b>Test Description:</b><br><u>Method:</u> <ul style="list-style-type: none"> <li>Condition the firearm and 100 rounds of ammunition of climatic chamber for at least 6 hours at a temperature of -20 degrees F.</li> <li>Test each firearm within the chamber as follows:</li> <li>Fire 20 rounds of ammunition. Wait 2 hours and repeat until all 100 rounds have been fired.</li> <li>Do not perform maintenance during the 100 round cycle.</li> <li>Cycle the safety from fire to safe every 5 rounds.</li> <li>After 100 rounds have been fired through the firearm, remove the firearm from the conditioning chamber, disassemble, thoroughly inspect, clean and lubricate.</li> </ul> <u>Data Required:</u> <ul style="list-style-type: none"> <li>Record temperature and exposure times</li> <li>Record all malfunctions</li> <li>Record damage noted during inspection</li> <li>Record all necessary maintenance actions performed</li> </ul> |   |
| <b>Resource Usage:</b><br><b>Manpower Requirements -</b><br><br><b>Facility Requirements -</b>  | <b>Test Results Required:</b><br><b>Formal Report:</b> <b>Data Only: X</b><br><b>REQUESTED Completion Date:</b> |
| <b>Required Materials/Parts/Equipment (include quantities):</b>   |   |
| <b>Test Parts Availability Date:</b>  |   |
| <b>Start Date:</b> 9/14/00<br><b>Completion Date:</b> 9/14/00<br><b>Report Date:</b>  | <b>Test Assigned To:</b> STEVE WADE & JEFF WADE   |

ET07177

TRACKING # TLW 0010AI  
PROJECT # 241095

ET07178

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

710 COLD FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AI  
PROJECT # 241095

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|---|---|--|----|
| NOTE: 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 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. |  |    |
|   | CLEANED AND INSPECTED GUN. ( OK )   |  | 83 |
|   |   |  |    |

CONFIDENTIAL

ET07179