

## 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><u>TLW0010AI – Cold Function Test:</u><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> 5-11-00<br><b>Completion Date:</b> 5-11-00<br><b>Report Date:</b>  | <b>Test Assigned To:</b> JESSE ARNOLD &<br>BOB LEE 16 MARCH 2000  |

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