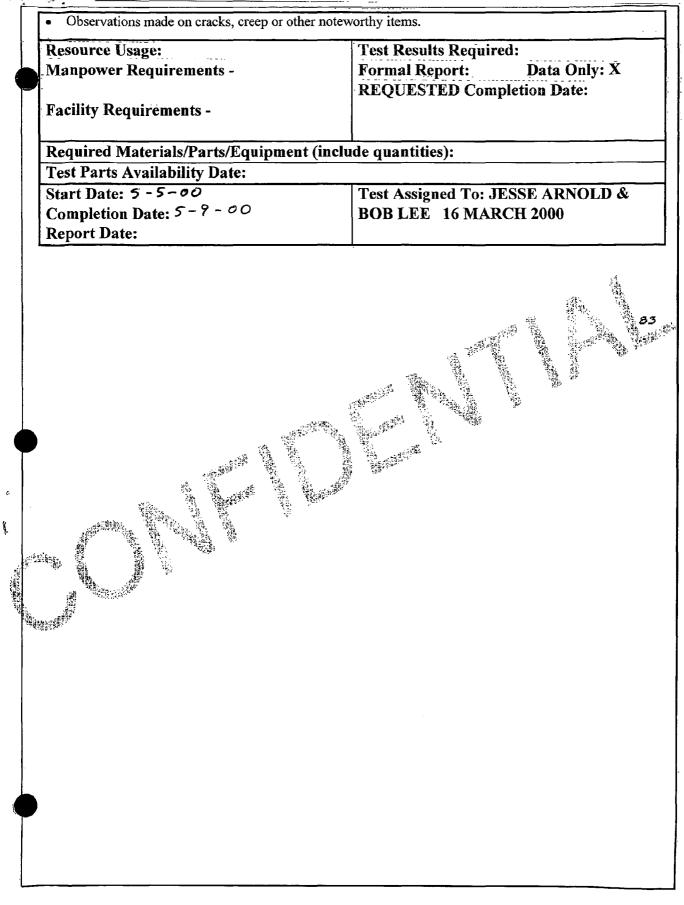
BARBER - 5.22.06r0002335

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	Test Lab Work Request Form							
	Date Submitted: 10 March, 2000	Tracking #: TLW 0010AJ						
	Project #: 241095	Engineer: J.R.SNEDEKER						
 Test Objective: <u>TLW0010AJ – Thermal Cycle Test:</u> This test evaluates the effects of large temperature changes due to expansion a contraction differentials of metallic and non-metallic components used in the Model 7. The sample rifle will be alternately cycled between a temperature of 120°F. and -40°F. for least 3 complete cycles, brought back to ambient temperature and test fired in the test jac for 200 rounds to evaluate both function and safety related characteristics. Test Description: <u>Method:</u> Shoot sample rifle in test jack to determine rifles malfunction characteristics and rare. Do not clean rifle Place rifle in freezer that is pre-set to -40°F and leave undisturbed for at least 24 hours. At completion of 24+ hours, remove rifle and immediately place in the pre-heated test chamber a 								
					 temperature as close to the +120°F as can be attained by the equipment. Leave rifle undisturbed for at least 24 hours. At completion of at least 24 hours, remove tille and immediately place in the freezer. Repeat this cycle for a minimum of three complete hot and three complete cold cycles. At the completion of the final cycle (the heat cycle) remove the rifle from the chamber and allow cooling 			
				1000	 to implement temperature – a minimum of six hours. Beturn the rifle to the test jack used at the start of the test and fire another 100 rounds recording malfunction types and rates. 			
						he rifle for any obvious signs that the thermal cycling ed at the metallic and non-metallic interfaces. Look for		
	Data Required: • Rifle serial number							
	• Cycle time for each test condition							
	• Temperature records throughout each cycle. Use the chart feature on the freezer and a temperature-							
	recording device for the chamber.Malfunctions type and rates both pre- and post thermal cycles.							



ET08167

PROJECT# 241095 TLW 0010AJ MODEL 710 THERMAL CYCLE TEST DATE- 5-5-00 THRU 5-9-00

GUN	SERIAL#	RDS
A-11	XC 1126	100

COMMENTS NO PROBLEMS NOTED

GUN CLEANED AND INSPECTED

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