

Report No. 890891

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

☐ Developmental ☒ Design Acceptance ☐ Pre-Pilot ☐ Pilot ☐ Production Acceptance		AREA OF TESTING ☐ Safety Related ☐ Litigation ☐ Competitive Evaluation ☐ Warehouse Audit ☐ New Design ☐ Cost Reduction ☒ Design Change ☐ Stake _____ ☐ Plant Assistance ☐ Other _____	
FIREARM STATS. MODEL: <u>M700</u> CAL or GAGE: _____ BARREL TYPE: _____ PROOFED: YES _____ NO _____		REPORT REQ'D. FORMAL ☒ TEST RESULTS ONLY ☒	
		E.O. Owens 443 DATE REQUESTED: <u>3-30-84</u> DATE NEEDED BY: <u>4-5-84</u> REQUESTED BY: <u>Fred Martin</u> WORK ORDER NO: <u>481152</u>	

TEST TYPE			
☐ Strength Test	☐ Ammunition Test	☒ Dry Cycle Test	☐ Photo/Video
☐ Function Test	☐ Environmental Test	☐ Measurements	☐ Other _____
☐ Accuracy Test	☐ Customer Complaint	☒ Endurance Test	

EXPLAIN IN DETAIL THE REASON FOR THIS TEST:

- To EVALUATE A Vendor Suggested MAT'L CHANGE In The ~~Factor~~ Pin Strip Washer - The MAT'L WAS ~~5540~~ ⁴¹³⁰ AND THE Vendor Would Like To Change To 4130 Dry Cycle Bores Supplied 10 Present Production 10 Proposed MAT'L Change 250,000 Cycles Section And Inspect For Wear And Or Impact Deformation
 (NOTE: 1 of each sample to 50,000 cyc)

GUNS REQUIRED:

NOTE: NO firearms or parts will be tested in the Labs unless they are accompanied by a Work Request, and both are delivered to the Labs by the designer or engineer. All Work Requests are to be filled out in detail. No Exceptions.

DATE COMPLETED: 5-5-89TEST COMPLETED BY: PLWH

REPORT DATE: _____

FRI 5 MAY 89

Reason For Test

TO EVALUATE A SUGGESTED MATERIAL CHANGE IN THE EXTERIOR STOP WASHER
IN THE M/700 BOLT FROM THE CURRENT 8640 TO THE PROPOSED 4130

Equipment Required:

M/700 DRY CYCLE MACHINE, TEN LAB PERSONNEL, TEN EACH OF THE TWO TYPES M/700
BOLTS LOCKED WITH THE

Test Procedure:

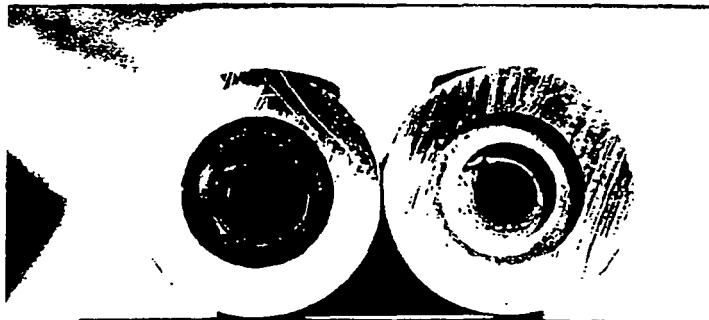
A. EACH INDIVIDUAL BOLT WAS PLACED IN A M/700 TEST LEAD ACTION ~~FOR~~
IN THE BOLT ACTION CLIP AND FRED DRY CYCLE MACHINE AND CYCLED TO
THE FOLLOWING. NINE OF EACH TYPE TO AT LEAST 25,000 CYCLES
EACH AND ONE OF EACH TYPE TO A TOTAL OF 50,000 CYCLES.

B. AFTER DRY CYCLE EACH BOLT, WAS CUT OFF APPROX $1\frac{5}{8}$ " FROM
~~THE~~ THE LOCKING LUG END SO THE RETAINER WASHERS
COULD BE VISUALLY EVALUATED FOR WEAR AND OR DEFORMATION.

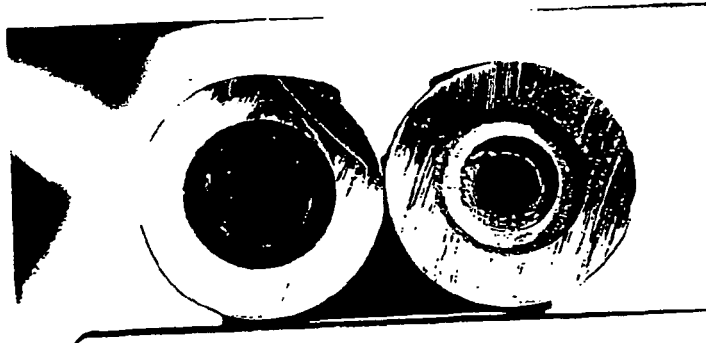
Test Results.

ALL TEST SAMPLES REGARDLESS OF DRY CYCLE LEVEL SHOWED
ONLY SLIGHT
~~NO~~ VISUAL DIFFERENCE WITH NO APPARENT WEAR OR DEFORMATION.

SEE PICTURES OF TWO 5000 CYC LEVEL SAMPLES ATTACHED.



50000 CYC EACH



50000 CYC EACH