

GUN TEST REQUEST

Date 11-2-65

Work Order 73970

Designer or Engineer J. W. Brooks

Model M 700 Cal. or Ga. — Barrel Type —

TYPE OF TEST

New Design ✓ Design Change — Formal —

Other Type (i.e. Dry Cycle, Endurance, Accuracy, etc.) Dry Cycle
cycle rate

SM 139413
139555

OBJECTIVE OF TEST

- 2 rifles with P.M. Semi (w/see sem. surfaces as on previous tests)
1. Check Trigger Pull before starting test.
 - a. Force to move uncocked rifle.
 - b. Force to fire cocked rifle.
 2. Cycle 1000 rd. (@ 1 cycle / 3 sec)
 3. Check Trigger pull of cocked rifle.
 4. Treat sem surfaces same as previous test.
 5. Check Trigger pull of cocked rifle.
 6. Repeat 2 thru 5 until trigger pull levels off or reaches 15%.

GUNS REQUIRED

2

PM Seals 5,000 cycles

Seal can surfaces

Shiny spots with some little wear

Seal connector surface

Shiny spots with some little wear

Connectors in contact with above

shiny spots where seal contacted surface.
slight wear or deformation of top surface.

The surfaces on the seal connector that contact each other both had a surface film that seemed like a tarnish. It came off when rubbed hard or scraped with a steel punch. The rifles had been sitting since the end of August.